

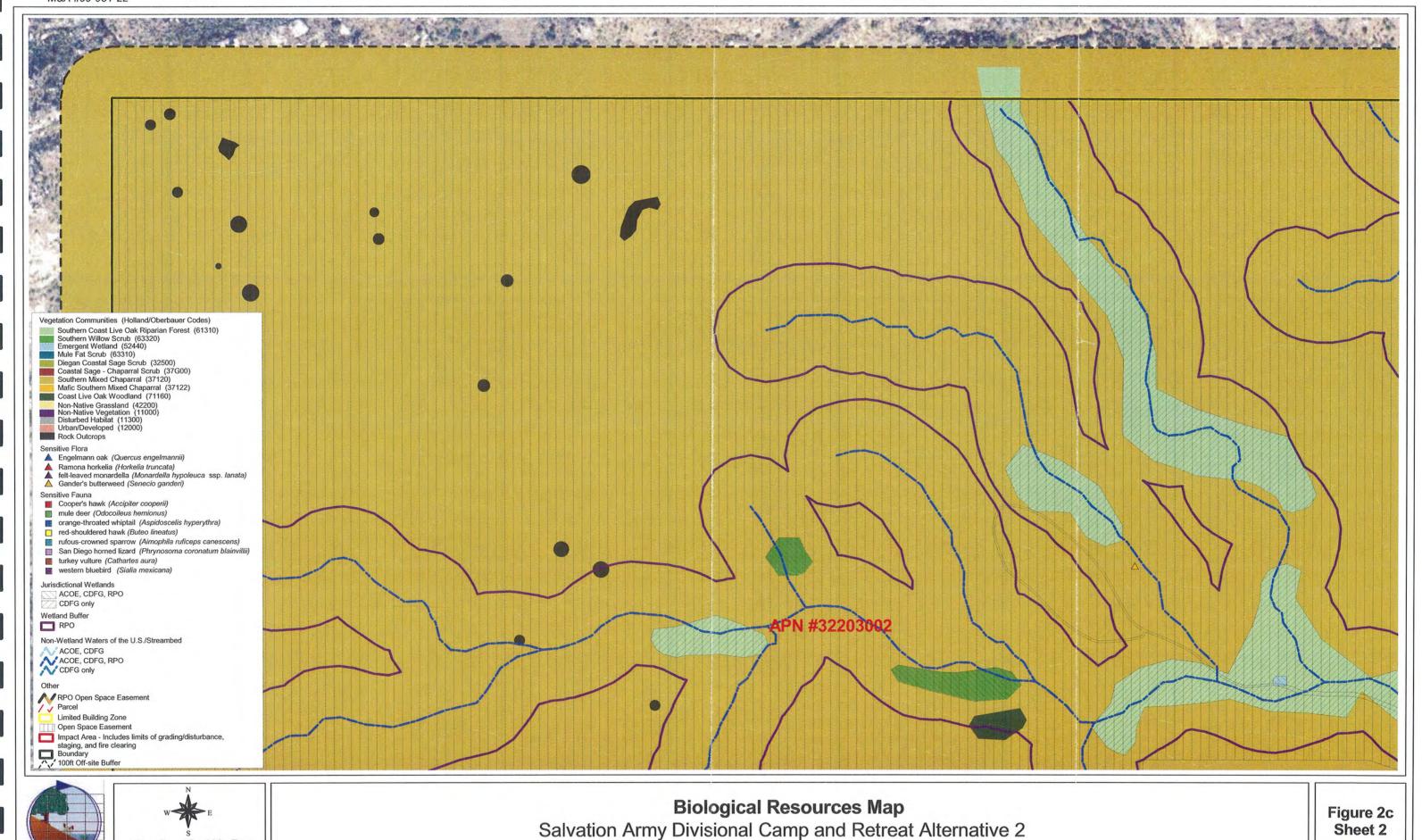




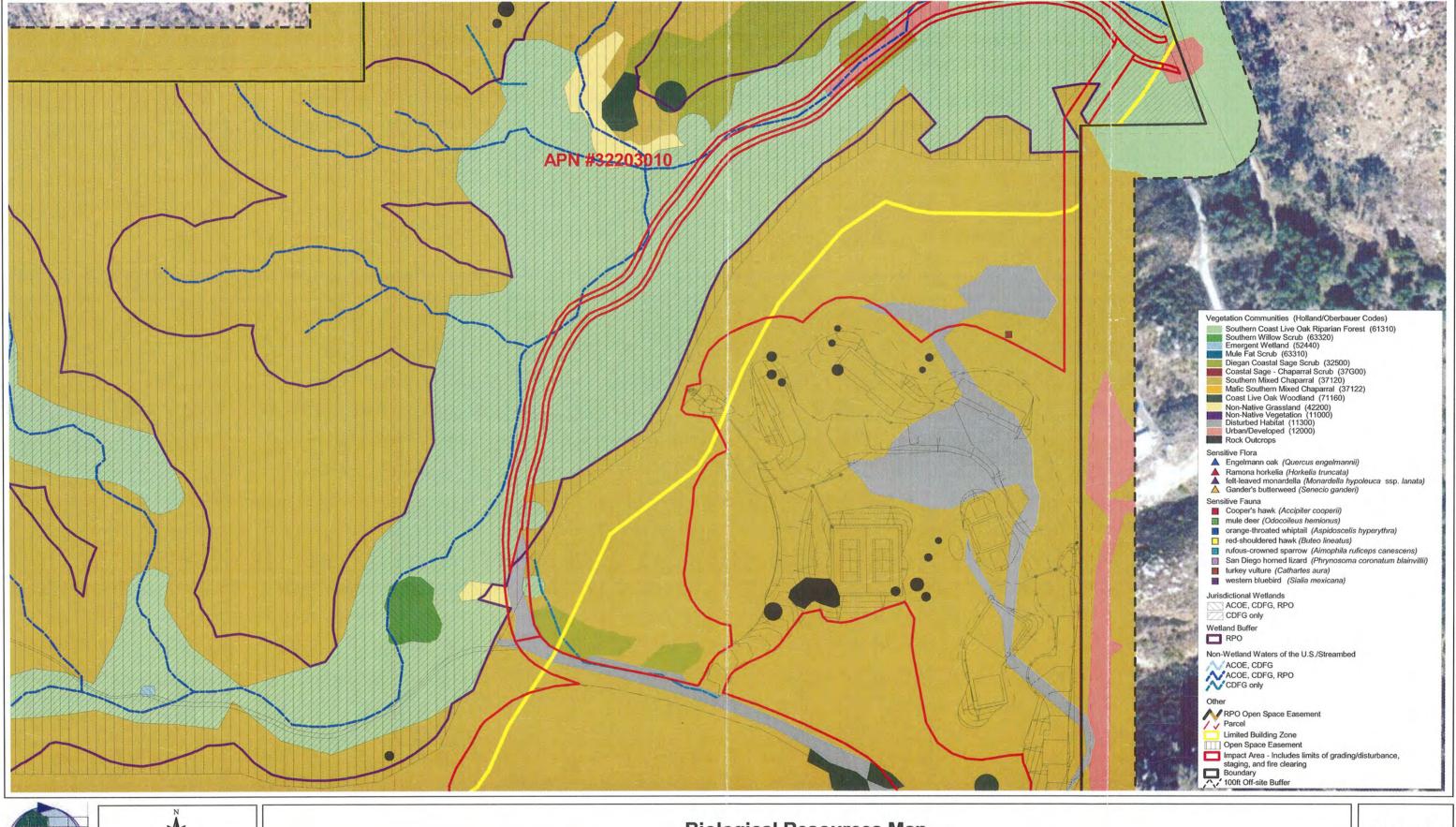
Salvation Army Divisional Camp and Retreat Alternative 2

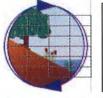
Figure 2c Sheet 1

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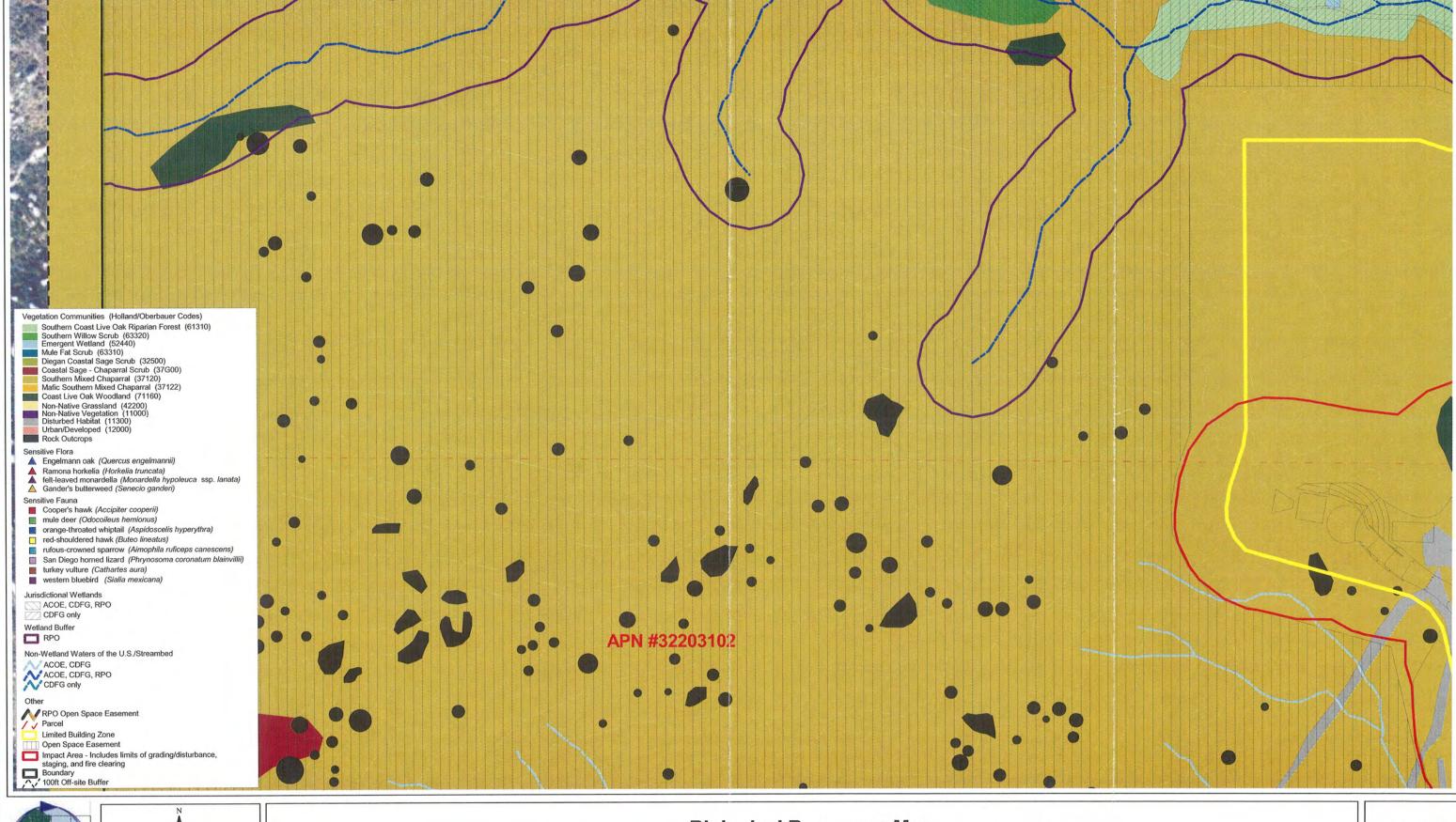


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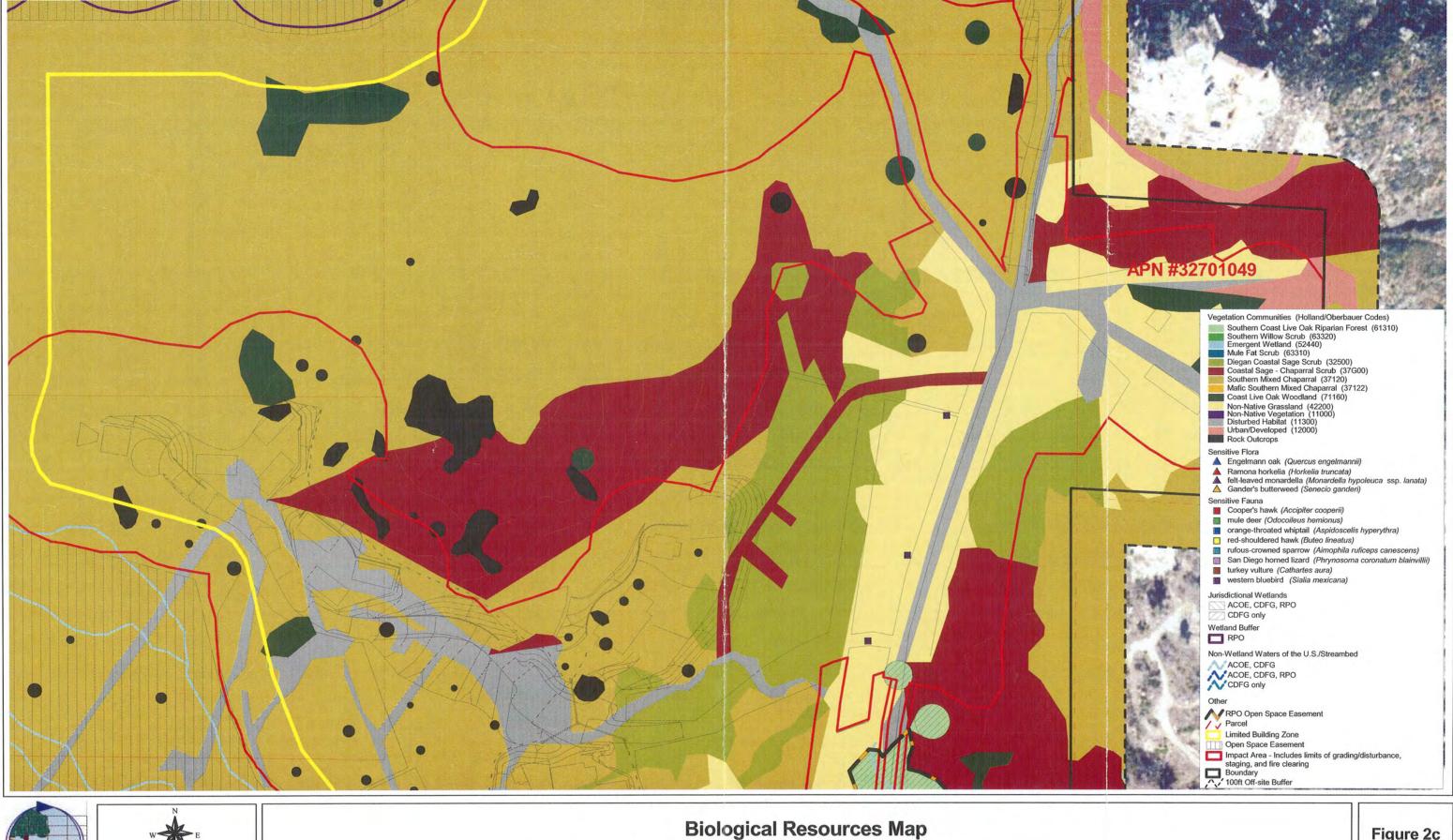








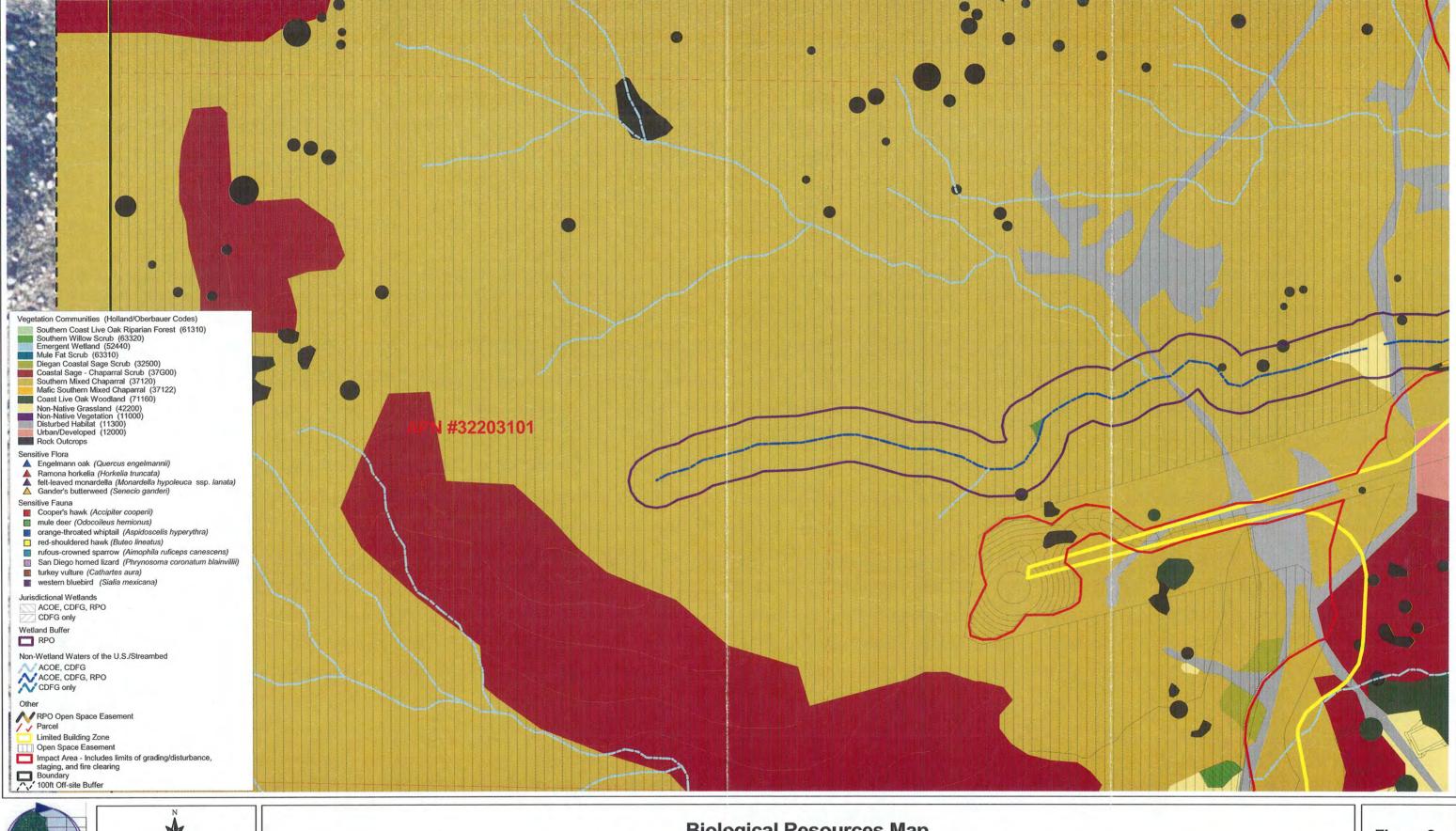






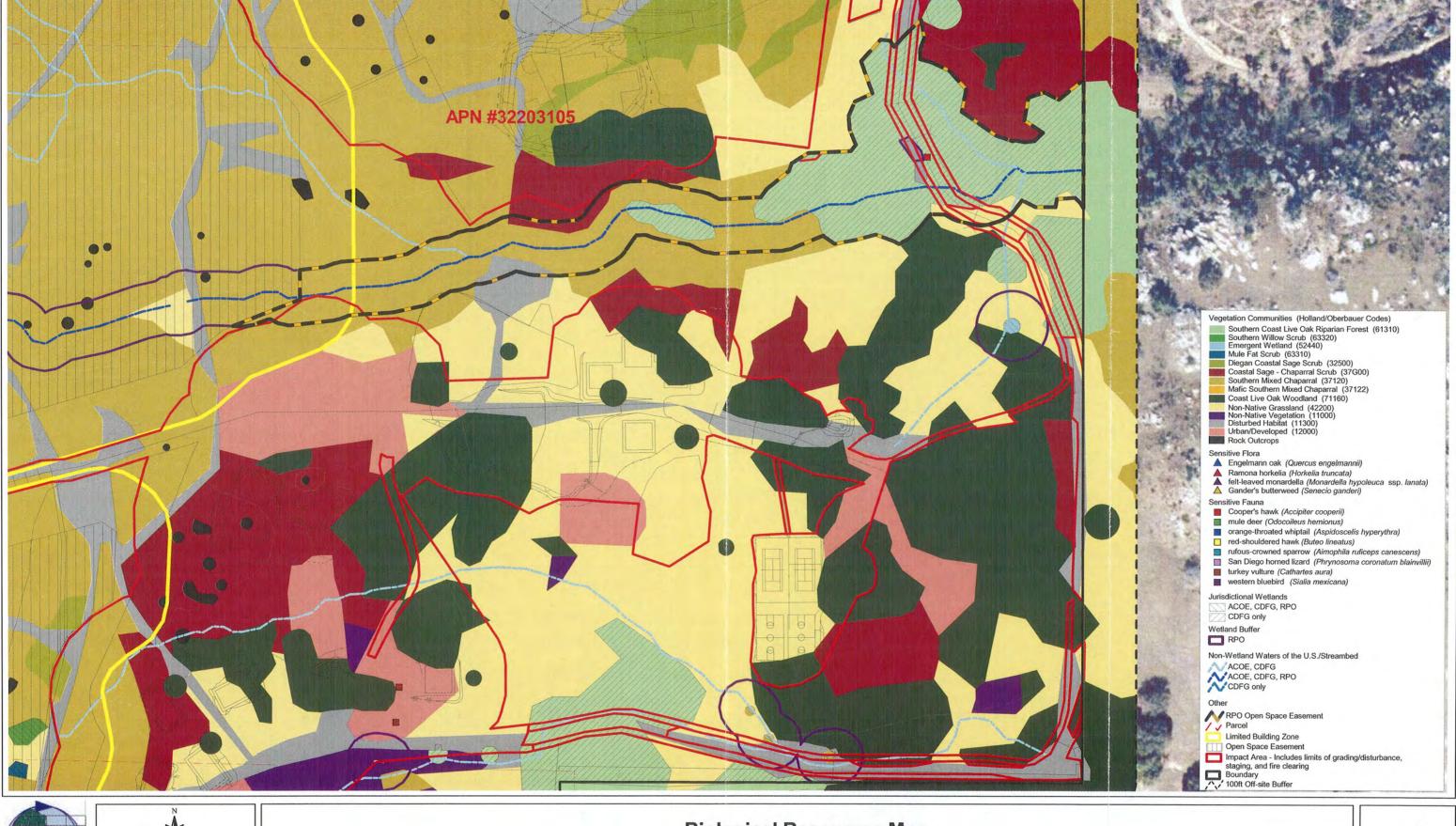


Salvation Army Divisional Camp and Retreat Alternative 2















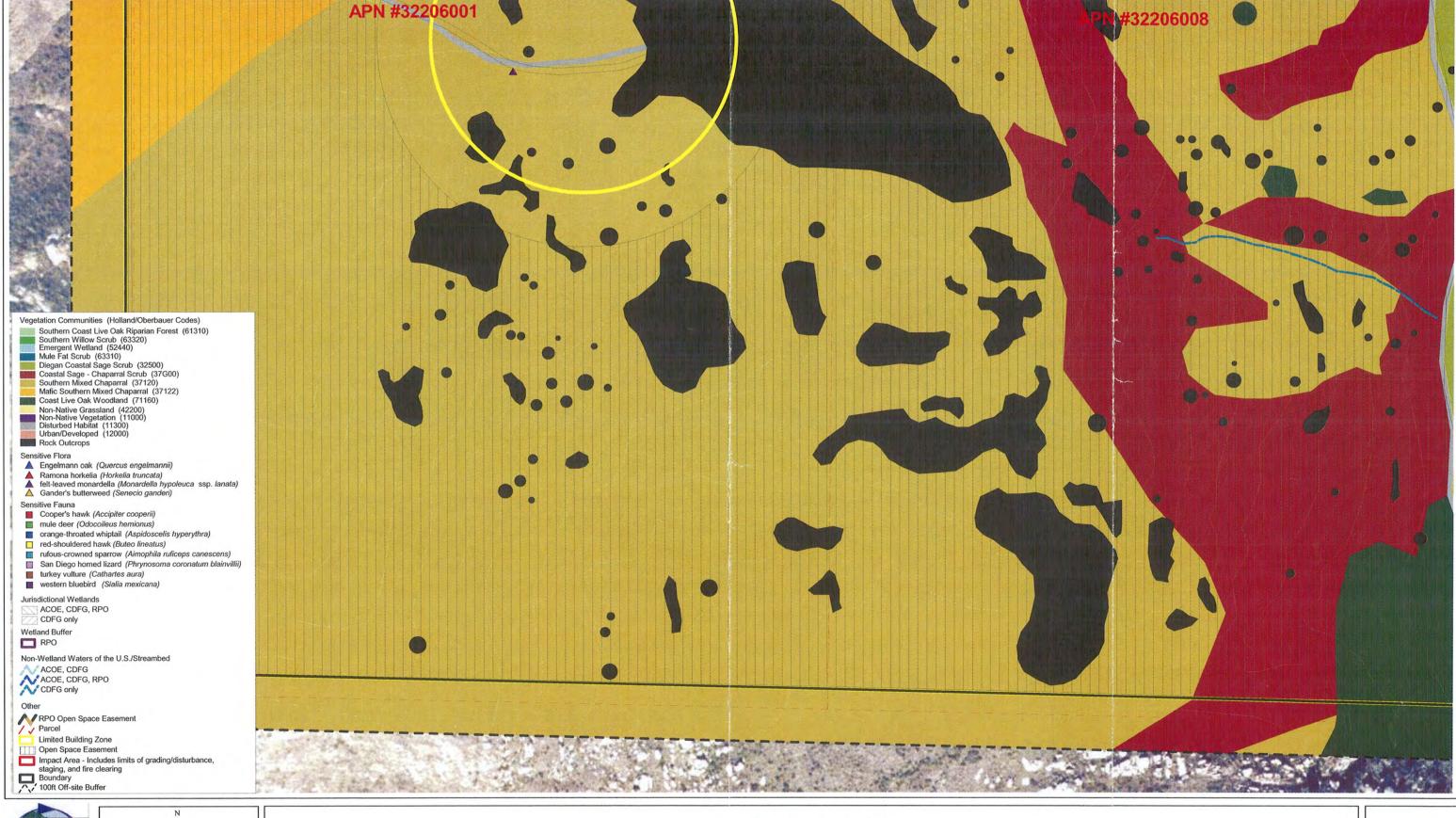






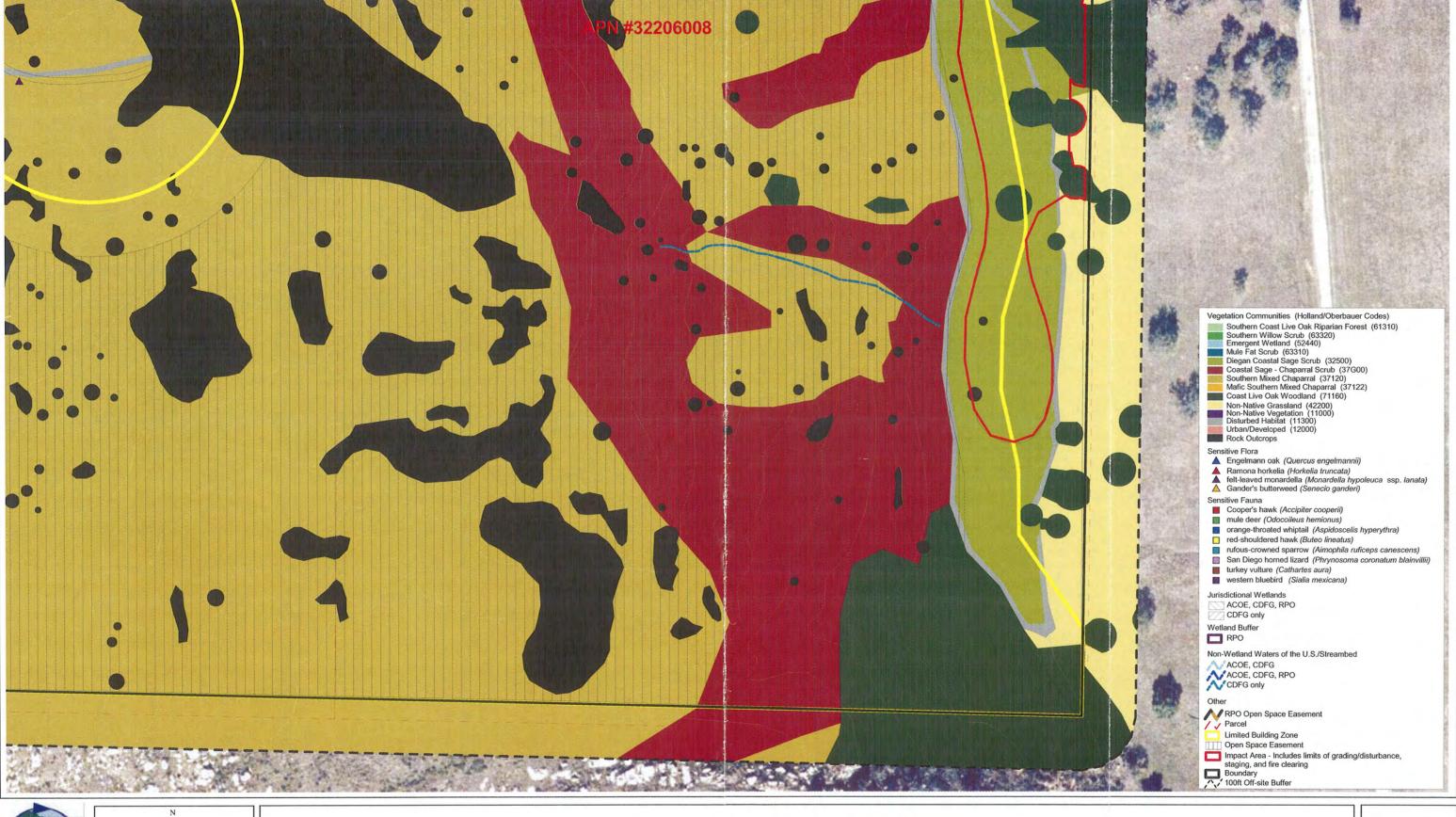
















Appendix 1

Floral Checklist of Species Observed

APPENDIX 1. FLORAL CHECKLIST OF SPECIES OBSERVED

Habitat Types:

C= Southern Mixed Chaparral (incl. Mafic) D= Diegan Coastal Sage Scrub

G= Non-native Grassland Q= Oak Woodland W= Riparian Scrub X= Disturbed Lands

Scientific Name	Common Name	Habitat
CRYPTOGAMS		
Dryopteridaceae - Wood Fern Family		
Dryopteris arguta	Coastal Woodfern	C
Polypodiaceae - Polypody Family		
Polypodium californicum	California Polypody	C
Pteridaceae - Brake Family		
Adiantum jordani	California Maiden-hair	C
Aspidotis californica	California Lace Fern	C
Cheilanthes clevelandii	Cleveland's Lipfern	C C C C C
Cheilanthes newberryi	California Cottonfern	C
Pellaea andromedifolia	Coffee Fern	C
Pellaea mucronata var. mucronata	Bird's-foot Fern	C
Pentagramma triangularis ssp. triangularis	California Goldenback Fern	C
Pentagramma triangularis ssp. viscosa	Silverback Fern	С
Selaginellaceae - Spike-Moss Family		
Selaginella bigelovii	Bigelow's Mossfern	C
Selaginella cinerascens	Ashy Spike-moss	С
GYMNOSPERMS		
Cupressaceae - Cypress Family		
*Cupressus sp.	(planted)	X
*Juniperus californica	California Juniper	X
*Calocedrus decurrens	California Incensecedar	X
Pinaceae - Pine Family		
*Pinus sp.	Pine	X

Scientific Name	ientific Name Common Name	
Texaceae – Yew Family		
* Taxus sp.	Yew	X
DICOTYLEDONS		
Aizoaceae - Carpet-weed Family		
*Carpobrotus edulis	Hottentot-Fig	X
Anacardiaceae - Sumac Family		
Malosma laurina	Laurel Sumac	C,D
Rhus ovata	Sugar Bush	C
Rhus trilobata	Skunkbrush	C
*Schinus molle	Peruvian Pepper Tree	X
Toxicodendron diversilobum	Western Poison Oak	C,Q,W
Apiaceae - Carrot Family		
Apiastrum angustifolium	Mock Parsley	C
*Apium graveolens	Celery	X
Bowlesia incana	American Bowlesia	C
Daucus pusillus	Rattlesnake Weed	C
*Foeniculum vulgare	Fennel	X
Lomatium dasycarpum ssp. dasycarpum	Woolly-fruit Lomatium	C
Sanicula crassicaulis	Pacific Sanicle	C
Tauschia arguta	Southern Tauschia	C
Apocynaceae - Dogbane Family		
*Vinca major	Greater Periwinkle	X
Asclepiadaceae - Milkweed Family		
Asclepias fascicularis	Narrow-leaf Milkweed	Q
Asteraceae - Sunflower Family		
Acourtia microcephala	Sacapellote, Purpleheads	C
Ambrosia psilostachya	Western Ragwee	G
Artemisia californica	California Sagebrush	D
Artemisia douglasiana	Mugwort	
Baccharis pilularis	Coyote Brush	C
Baccharis salicifolia	Mule Fat	W
Brickellia californica	California Brickellbush	\mathbf{C}
*Carduus pycnocephalus	Italian Thistle	X
*Centaurea melitensis	Tocalote	X
Chaenactis artemisiaefolia	Artemisia Pincushion	C
Cirsium occidentale var. californicum	California Thistle	C
*Cirsium vulgare	Bull Thistle	X
*Cotula australis	Australian Brass-buttons	G

Scientific Name	Common Name	Habitat
Encelia californica	California Encelia	D
Encelia californica Erigeron foliosus var. foliosus	Leafy Daisy	C
	Golden-yarrow	C
Eriophyllum confertiflorum var. confertiflorum	California Filago	C
Filago californica Gnaphalium bicolor	Bicolor Cudweed	C
•	California Everlasting	C
Gnaphalium californicum	White Everlasting	C
Gnaphalium canescens ssp. microcephalum Gnaphalium luteo-album	Cudweed	X
Gutierrezia sarothrae	Matchweed	C
	Saw-toothed Goldenbush	C
Hazardia squarrosa ssp. grindelioides *Hedypnois cretica	Crete Hedypnois	X
· ·	Slender Sunflower	C
Helianthus gracilentus	Fascicled Tarplant	C,D
Hemizonia fasciculata	<u>-</u>	X
Heterotheca grandiflora	Telegraph Weed Smooth Cat's-ear	C
*Hypochoeris glabra Isocoma menziesii var. menziesii	Goldenbush	D
*Lactuca serriola	Wild Lettuce	X
	Common Goldfields	C
Lasthenia californica	Cudweed Aster	
Lessingia filaginifolia var. filaginifolia Madia sativa	Coast Tarweed	C,D C
*Picris echioides		W
	Bristly Ox-tongue Odora	C VV
Porophyllum gracile	California Chicory	C
Rafinesquia californica	Gander's Butterweed	C
Senecio ganderi *Senecio yulgaria	Common Groundsel	X
*Senecio vulgaris *Silybum marianum	Milk-thistle	X
Solidago californica	California Goldenrod	Q
*Sonchus asper	Prickly Sow Thistle	X
*Sonchus asper *Sonchus oleraceus	Common Sow Thistle	X
Stephanomeria diegensis	San Diego Wreath-Plant	C
Stylocline gnaphalioides	Everlasting Nest Straw	C
Uropappus lindleyi	Silver Puffs	C
Огорарриз нишеун	Silver I uns	C
Boraginaceae - Borage Family		
Amsinckia menziesii var. intermedia	Rancher's Fireweed	G,C
Cryptantha intermedia	Nievitas, Cryptantha	C
Cryptantha micromeres	Minute-flower Cryptantha	C C C C
Pectocarya linearis ssp. ferocula	Slender Pectocarya	C
Pectocarya penicillata	Winged Pectocarya	C
Plagiobothrys collinus ursinus	California Popcornflower	C
Plagiobothrys tellenus	Gray Popcornflower	C
Brassicaceae - Mustard Family		
*Brassica nigra	Black Mustard	X
Cardamine californica	Milk Maids	C
Guillenia lasiophylla	California Mustard	C
Sumoma moropriyma	Carronna mana	O

*Hirschfeldia incana Short-pod Mustard G,X *Raphanus raphanistrum Jointed Charlock X *Raphanus rathus Radish X *Roripa nasturtium-officinale Water Cress W Thysanocarpus curvipes Hairy Lacepod C Cactaceae - Cactus Family *Opunita ficus-indica Indian-fig X Opunita littoralis Coast Prickly-pear C Campanulaceae - Bellflower Family Heterocodon rariflorum Heterocodon C Caprifoliaceae - Honcysuckle Family Lonicera subspicata var. denudata San Diego Honcysuckle X Sambucus mexicana Blue Elderberry C Symphoricarpos mollis Creeping Snowberry Q Caryophyllaceae - Pink Family *Cerastium glomeratum Mouse-ear Chickweed C *Silene gallica Common Catchfily C *Silene gallica Common Catchfily C *Silene gallica Common Chickweed C,Q Cistaceae - Rock-Rose Family *Cistaceae - Rock-Rose Family *Cistaceae - Morning-Glory Family Calystegia macrostegia Finger-leaf Morning-glory C Caryolvulaceae - Morning-Glory Family *Calystegia macrostegia Finger-leaf Morning-glory C Crassulaceae - Stonecrop Family *Aeonium daropurpurea. Aeonium X *Aeonium haworthii Aeonium X *Aeonium haworthii Aeonium X *Catyledon orbiculata Cotyledon X Crassula comata Dwarf Stonecrop C *Crassula tetragonoides Crassula *Dudleya edulis *Dudleya pulverulenta Cucurbitaceae - Gourd Family Marah macrocarpus var. macrocarpus Marah macrocarpus Marah macrocarpus var. macrocarpus	Scientific Name	Common Name	Habitat	
*Raphanus raphanistrum			<u> </u>	
*Raphanus raphanistrum	*Hirschfeldia incana	Short-pod Mustard	GX	
*Raphanus sativus *Rorippa nasturtium-officinale Thysanocarpus curvipes Hairy Lacepod C Cactaceae - Cactus Family *Opuntia ficus-indica Opuntia littoralis Campanulaceae - Bellflower Family Heterocodon rariflorum Heterocodon rariflorum Heterocodon rariflorum Heterocodon rariflorum Heterocodon rariflorum Caprifoliaceae - Honeysuckle Family Lonicera subspicata var. denudata Lonicera sp. Honeysuckle Xambucus mexicana Blue Elderberry C symphoricarpos mollis Creeping Snowberry Q Caryophyllaceae - Pink Family *Cerastium glomeratum Mouse-ear Chickweed Siliene gallica Common Catchfly C stellaria media Common Chickweed C,Q Cistaceae - Rock-Rose Family *Cistus incanus Helianthemum scoparium Purple Rock-rose Xhelianthemum scoparium Peak Rush-rose C Convolvulaceae - Morning-Glory Family Calystegia macrostegia Finger-leaf Morning-glory C Crassulaceae - Stonecrop Family *Aeonium atropurpurea. Aeonium Aeonium X Aeonium X Aeonium X Crassulac argentea Jade Plant Crassula comata Dwarf Stonecrop C Crassula comata Dwarf Stonecrop C Crassula comata Dwarf Stonecrop C C-Crassula comata Dwarf Stonecrop C C-Crassula comata Dwarf Stonecrop C C-Crassula errogonoides C-Crassula Dudleya edulis Dudleya edulis Dudleya pulverulenta C Cucurbitaceae - Gourd Family	· ·			
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*Silene gallica *Stellaria media Common Catchfly Common Chickweed C,Q Cistaceae - Rock-Rose Family *Cistus incanus Helianthemum scoparium Peak Rush-rose Convolvulaceae - Morning-Glory Family Calystegia macrostegia Finger-leaf Morning-glory Finger-leaf Morning-glory C Crassulaceae - Stonecrop Family *Aeonium atropurpurea. Aeonium Aeonium X *Catyledon orbiculata Cotyledon X Crassula argentea Jade Plant X Crassula connata Dwarf Stonecrop C *Crassula tetragonoides Crassula Dudleya edulis Dudleya pulverulenta Courbitaceae - Gourd Family	*Cerastium glomeratum	Mouse-ear Chickweed	\mathbf{C}	
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*Aeonium atropurpurea. *Aeonium haworthii *Catyledon orbiculata Crassula argentea Crassula connata Crassula tetragonoides Dudleya edulis Dudleya pulverulenta Aeonium X Cotyledon X Cotyledon X Dwarf Stonecrop C Crassula X Duarf Stonecrop C Crassula Chalk-lettuce C Cucurbitaceae - Gourd Family	Calystegia macrostegia	Finger-leaf Morning-glory	C	
*Aeonium haworthii Aeonium X *Catyledon orbiculata Crassula argentea Jade Plant X Crassula connata Dwarf Stonecrop C *Crassula tetragonoides Crassula Dudleya edulis Dudleya pulverulenta Cucurbitaceae - Gourd Family	• •			
*Catyledon orbiculata Cotyledon X Crassula argentea Jade Plant X Crassula connata Dwarf Stonecrop C *Crassula tetragonoides Crassula X Dudleya edulis Ladies-fingers C Dudleya pulverulenta Chalk-lettuce C Cucurbitaceae - Gourd Family		Aeonium	X	
Crassula argentea Crassula connata Dwarf Stonecrop *Crassula tetragonoides Dudleya edulis Dudleya pulverulenta Cucurbitaceae - Gourd Family	*Aeonium haworthii	Aeonium	X	
Crassula connata *Crassula tetragonoides Dudleya edulis Dudleya pulverulenta Cucurbitaceae - Gourd Family Dwarf Stonecrop Crassula X Ladies-fingers C Chalk-lettuce C		Cotyledon	\mathbf{X}	
*Crassula tetragonoides Crassula X Dudleya edulis Ladies-fingers C Dudleya pulverulenta Chalk-lettuce C Cucurbitaceae - Gourd Family	Q		X	
Dudleya edulis Ladies-fingers C Dudleya pulverulenta Chalk-lettuce C Cucurbitaceae - Gourd Family		Dwarf Stonecrop	\mathbf{C}	
Dudleya pulverulenta Chalk-lettuce C Cucurbitaceae - Gourd Family	•	Crassula	X	
Cucurbitaceae - Gourd Family			C	
· · · · · · · · · · · · · · · · · · ·	Dudleya pulverulenta	Chalk-lettuce		
Marah macrocarpus var. macrocarpus Manroot, Wild-Cucumber C	· · · · · · · · · · · · · · · · · · ·			
	Marah macrocarpus var. macrocarpus	Manroot, Wild-Cucumber	\mathbf{C}	

entific Name Common Name		Habitat	
Cuscutaceae - Dodder Family			
Cuscuta californica var. californica	Witch's Hair	C,D	
Cuscuta subinclusa	Canyon Dodder	C	
Ericaceae - Heath Family			
Arctostaphylos glandulosa ssp. zacaensis	Eastwood Manzanita	C	
Arctostaphylos glauca	Big-berry Manzanita	C	
Xylococcus bicolor	Mission Manzanita	C	
Euphorbiaceae - Spurge Family			
Chamaesyce polycarpa	Small-seed Sandmat	C	
Eremocarpus setigerus	Doveweed	G	
Fabaceae - Pea Family			
Lathyrus vestitus ssp. alefeldii	San Diego Sweetpea	C	
Lotus argophyllus var. argophyllus	Silver-leaf Lotus	Č	
Lotus hamatus	Grab Lotus	Č	
Lotus purshianus	Spanish-clover	Ğ	
Lotus scoparius ssp. brevialatus	Deerweed	Ċ,D	
Lotus strigosus	Bishop's Lotus	C	
Lupinus bicolor	Miniature Lupine	Č	
Lupinus hirsutissimus	Stinging Lupine	Ċ	
Lupinus sparsiflorus	Coulter's Lupine		
Lupinus truncatus	Collar Lupine	C C	
*Medicago polymorpha	California Burclover		
Trifolium microcephalum	Maiden Clover	X C	
Trifolium willdenovii	Valley Clover	Ċ	
Vicia ludoviciana var. ludoviciana	Deerpea Vetch	Ċ	
*Vicia villosa	Winter Vetch, Hairy Vetch		
Fagaceae - Oak Family			
Quercus agrifolia	Coast Live Oak	0	
Quercus berberidifolia	Scrub Oak	Q C	
Quercus chrysolepis	Canyon Live Oak, Maul Oak	Ō	
Quercus engelmannii	Engelmann Oak	Q Q	
Gentianaceae - Gentian Family			
Centaurium venustum	Canchalagua	\mathbf{C}	
Geraniaceae - Geranium Family			
*Erodium brachycarpum	Short-beak Filaree	X	
*Erodium cicutarium	Red-stem Filaree	X	
Geranium carolinianum	Carolina Geranium	Q	
Grossulariaceae - Currant Family			
Ribes indecorum	White Flowering Currant	C	

Scientific Name	Common Name	Habitat	
Hydrophyllaceae - Waterleaf Family			
Eriodictyon crassifolium var. crassifolium	Thick-leaved Yerba Santa	C	
Eucrypta chrysanthemifolia var. chrysanthemifolia	Eucrypta	C C C C	
Nemophila menziesii var. integrifolia	Baby Blue Eyes	C	
Phacelia cicutaria var. hispida	Caterpillar Phacelia	C	
Phacelia parryi	Parry's Phacelia	C	
Phacelia ramosissima var. latifolia	Caterpillar Phacelia	С	
Lamiaceae - Mint Family			
*Marrubium vulgare	Horehound	\mathbf{X}	
Monardella hypoleuca ssp. lanata	Felt-leaved Monardella	C	
Salvia apiana	White Sage	C,D C C C C	
Salvia clevelandii	Fragrant Sage	C	
Salvia columbariae	Chia	C	
Salvia mellifera	Black Sage	C	
Scutellaria tuberosa	Danny's Skullcap	C	
Stachys ajugoides var. rigida	Hedge Nettle	W	
Lytheraceae – Loosestrife Family			
Lythrum hyssupifolia	Grays Poly		
Malvaceae - Mallow Family			
Malacothamnus densiflorus	Many-flowered Bush Mallow	C	
Malacothamnus fasciculatus	Mesa Bush Mallow Mallow	D	
*Malva parviflora	Cheeseweed, Little Mallow	X	
Sidalcea malvaeflora ssp. sparsifolia	Checker-bloom	C	
Myrtaceae - Myrtle Family			
*Eucalyptus sp.	Eucalyptus	X	
Nyctaginaceae - Four-O'Clock Family			
Mirabilis californica	California Wishbone Plant	X	
Oleaceae - Olive Family			
*Olea europea	Mission Olive	X	
Onagraceae - Evening-Primrose Family			
Camissonia bistorta	California Sun Cup	C	
Camissonia hirtella	Field Sun-cup		
Clarkia epilobioides	Canyon Godetia	C C	
Clarkia purpurea ssp. viminea	Large Clarkia	C	
Epilobium canum ssp. canum	California Fuchsia	W	
Epilobium ciliatum ssp. ciliatum	Willow Herb	W	
Oxalidaceae - Wood-Sorrel Family			
*Oxalis corniculata	Yellow Wood-sorrel	Q	

ientific Name Common Name		Habitat	
" '			
*Oxalis pes-caprae	Bermuda-buttercup	X	
Paeoniaceae - Peony Family			
Paeonia californica	California Peony	С	
Papaveraceae - Poppy Family			
Dendromecon rigida	Bush Poppy	C	
Eschscholzia californica	California Poppy	C	
Platanaceae - Sycamore Family			
Platanus racemosa	Western Sycamore	W	
Polemoniaceae - Phlox Family			
Allophyllum gilioides ssp. gilioides	Straggling False-gilia	C	
Eriastrum sapphirinum	Sapphire Woolly-star	C	
Gilia angelensis	Grassland Gilia	C	
Navarretia hamata ssp. hamata	Hooked Skunkweed	C	
Polygonaceae - Buckwheat Family			
Chorizanthe fimbriata var. fimbriata	Fringed Spineflower	C	
Eriogonum fasciculatum var. foliolosum	Interior Flat-top Buckwheat	C,D	
Pterostegia drymarioides	Granny's Hairnet	C	
*Rumex crispus	Curly Dock	W	
Rumex salicifolius var. salicifolius	Willow Dock	X	
Portulacaceae - Purslane Family			
Claytonia parviflora ssp. parviflora	Narrow-leaf Miner's-lettuce	C	
Claytonia perfoliata	Miner's-lettuce	C	
Primulaceae - Primrose Family			
*Anagallis arvensis	Scarlet Pimpernel	X	
Dodecatheon clevelandii ssp. clevelandii	Padre's Shooting Star	C	
Ranunculaceae - Crowfoot Family			
Clematis pauciflora	Ropevine	C	
Delphinium cardinale	Scarlet Larkspur	C	
Delphinium parryi ssp. parryi	Parry's Larkspur	C	
Thalictrum fendleri var. polycarpum	Fendler's Meadow-rue	Q	
Rhamnaceae - Buckthorn Family			
Ceanothus crassifolius	Hoaryleaf Ceanothus	C	
Ceanothus leucodermis	Chaparral Whitethorn	C	
Ceanothus oliganthus var. oliganthus	Hairy-leaf Ceanothus	C	
Ceanothus tomentosus	Ramona Ceanothus	C C C	
Rhamnus californica ssp. californica	California Coffeeberry		
Rhamnus ilicifolia	Holly-leaf Redberry	C	

Scientific Name	Name Common Name	
	1.	
Rhamnus pilosa	Hairy-leaf Redberry	C
Rosaceae - Rose Family		
Adenostoma fasciculatum	Chamise	C
Cercocarpus minutiflorus	San Diego Mountain-mahogany	C C C Q C
Heteromeles arbutifolia	Toyon	C
Horkelia truncata	Ramona Horkelia	C
Potentilla glandulosa ssp. glandulosa	Sticky Cinquefoil	Q
Prunus ilicifolia ssp. ilicifolia	Holly-leafed Cherry	Ĉ
Rosa californica	California Rose	C
Rubus ursinus	California Blackberry	W
Rubiaceae - Madder Family		
Galium angustifolium ssp. angustifolium	Narrow-leaf Bedstraw	C
*Galium aparine	Goose Grass	C,Q
Galium nuttallii ssp. nuttallii	Nuttall's Bedstraw	C
Rutaceae - Rue Family		
Cneoridium dumosum	Coast Spice Bush	C
Salicaceae - Willow Family		
Salix gooddingii	Goodding's Black Willow	W
Salix lasiolepis	Arroyo Willow	W
Saururaceae - Lizard-tail Family		
Anemopsis californica	Yerba Mansa	
Saxifragaceae - Saxifrage Family		
Jepsonia parryi	Coast Jepsonia	C
Lithophragma affine	Woodland Star	
Scrophulariaceae - Figwort Family		
Antirrhinum nuttallianum ssp. subsessile	Nuttall's Snapdragon	C
Castilleja affinis ssp. affinis	Coast Paintbrush	C
Castilleja exserta ssp. exserta	Purple Owl's-clover	C
Collinsia heterophylla	Purple Chinese Houses	C
Cordylanthus rigidus ssp. setigerus	Dark-tip Bird's-beak	C
Keckiella cordifolia	Climbing Bush Penstemon	C
Linaria canadensis	Blue Toadflax	C
Mimulus aurantiacus	San Diego Monkeyflower	C
Mimulus guttatus	Common Monkeyflower	W
Pedicularis densiflora	Indian Warrior	C
Penstemon spectabilis	Showy Penstemon	C
Scrophularia californica ssp. floribunda	California Figwort	\mathbf{C}

cientific Name Common Name		Habitat	
Solanaceae – Nightshade Family			
Solanum parishii	Parish's Nightshade	С	
Styracaceae - Storax Family			
Styrax officinalis var. redivivus	Snowdrop Bush	C	
Urticaceae - Nettle Family			
Parietaria hespera var. californica	Western Pellitory	C	
Urtica dioica ssp. holosericea	Hoary Nettle	W	
Violaceae - Violet Family			
Viola pedunculata	Johnny-jump-up	C	
Viscaceae - Mistletoe Family			
Phoradendron macrophyllum	Big-leaf Mistletoe	W	
MONOCOTYLEDONS			
Arecaceae - Palm Family			
*Washingtonia robusta	Thread Palm	X	
Cyperaceae - Sedge Family			
Carex praegracilis	Cluster Field-sedge	W	
Carex spissa	San Diego Sedge	Q C	
Carex triquetra	Triangular-fruit Sedge		
Cyperus eragrostis	Tall Flatsedge	\mathbf{W}	
Eleocharis montevidensis	Dombey's Spike-sedge	W	
Iridaceae - Iris Family			
Sisyrinchium bellum	Blue-eyed-grass	С	
Juncaceae - Rush Family			
Juncus bufonius var. bufonius	Toad Rush	G	
Juncus dubius	Mariposa Rush	G	
Juncus mexicanus	Mexican Rush	G,Q	
Liliaceae - Lily Family			
*Agave attenuata	Agave	X	
Allium haematochiton	Red-skin Onion	C	
Aloe sp.	Aloe	X	
Bloomeria crocea	Common Goldenstar	C	
Calochortus splendens	Splendid Mariposa	C	
Chlorogalum parviflorum	Small-flower Soap-plant	C	
Dichelostemma capitatum ssp. capitatum	Wild Hyacinth	C	
Yucca schidigera	Mojave Yucca	C	

Scientific Name	Common Name	Habitat
Yucca whipplei	Our Lord's Candle	C
Zigadenus fremontii	Fremont's Camas	C
Poaceae - Grass Family		
Achnatherum coronatum	Giant Needlegrass	C
Agrostis pallens	Leafy Bent	C
*Avena barbata	Slender Wild Oat	G,X
Bothriochloa barbinodis	Cane Bluestem	C
*Bromus diandrus	Ripgut Grass	G,X
*Bromus hordeaceus	Soft Chess	G,X
*Bromus madritensis ssp. madritensis	Compact Chess	G,X
Calamagrostis koelerioides	Reedgrass	C
*Cynodon dactylon	Bermuda Grass	X
Elymus glaucus ssp. glaucus	Blue Wild Rye	Q
*Hordeum murinum ssp. leporinum	Hare Barley	Ġ,X
*Lamarckia aurea	Golden-top	C
Leymus condensatus	Giant Wild Rye	C
*Lolium perenne	Perennial Ryegrass	C
Melica imperfecta	Coast Range Melic	C,DS
Muhlenbergia rigens	Deergrass	C,W
Nassella lepida	Foothill Needlegrass	Ć
Nassella pulchra	Purple Needlegrass	C,D
*Poa annua	Annual Bluegrass	X
*Poa pratensis ssp. pratensis	Kentucky Bluegrass	G
*Polypogon monspeliensis	Annual Beard Grass	W
*Schismus barbatus	Mediterranean Schismus	C,X
*Vulpia myuros var. hirsuta	Foxtail Fescue	D,X
Typhaceae - Cat-Tail Family		
Typha latifolia	Broad-leaved Cattail	G

^{*} Denotes non-native plant taxa

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Appendix 2

Faunal Checklist of Species Observed*

APPENDIX 2. FAUNAL CHECKLIST OF SPECIES OBSERVED*

Habitat Types:

A = Agricultural Field/Disturbed C = Southern Mixed Chaparral

D = Diegan Coastal Sage Scrub O = Oak Woodlands

R = Riparian Scrub N = Non-Native Grassland

W = Non-Native Woodland F = Fly Over

Abundance Codes:

A = Abundant: Almost always encountered in moderate to large numbers in suitable habitat and the indicated season.

C = Common: Usually encountered in proper habitat at the given season.

U = Uncommon: Infrequently detected in suitable habitat. May occur in small numbers or only locally in the given season.

R = Rare: Applies to species which are found in very low numbers.

Status Codes: (Birds Only)

- M = Migrant: Uses the site for brief periods of time, primarily during the spring and fall months.
- R = Year-round resident: Probable breeder on-site or in the vicinity.
- S = Spring/summer resident: Probable breeder on-site or in the vicinity.
- T = Transient: Uses site regularly but unlikely to breed on-site.
- W = Winter visitor: Does not breed locally.

^{*} List includes only those species detected by Merkel & Associates biologists. Species detected by subconsulants are addressed within their specific reports for Golden Eagle and Stephen's Kangaroo Rat trapping (see atteahed) and have not been included here as M&A biologists were not the observers.

Common Name	Scientific Name	Habitat Abun	dance Status	
BUTTERFLIES				
Papilionidae (Swallowtails)		•		
Pale Swallowtail Western Tiger Swallowtail	Papilio eurymedon Papilio rutulus	O O	C C	
Pieridae (Whites and Sulfurs)				
Felder's Orangetip Pacific (=Sara) Orangetip	Anthocharis cethura Anthocharis sara	D,C,A,N D,C,A,N		
Lycaenidae (Gossamer-wing Butte	erflies)			
Perplexing Hairstreak	Callophrys perplexa	D,C	C	
Silvery (=Southern) Blue	Glaucopsyche lygdamus	D	C	
Gray Hairstreak	Strymon melinus	C	U	
Riodinidae (Metalmarks)	1 1 10	D.C	C	
Behr's Metalmark	Apodemia virgulti	D,C	С	
Nymphalidae (Brush-footed Butte	rflies)			
Gabb's Checkerspot	Chlosyne gabbii	D,C	C	
California Sister	Adelpha bredowii	O	U	
California Ringlet	Coenonympha californica	A,C	C	
Mourning Cloak	Nymphalis antiopa	О	U	
West Coast Lady	Vanessa anabella	A,C,N	C	
Lorquin's Admiral	Limenitis lorquini	О	U	
Hesperiidae (Skippers)				
Funereal Duskywing	Erynnis funeralis	D,C	С	
REPTILES				
Phrynosomatidae				
Granite Spiny Lizard	Sceloporus orcutti	C	U	
Western Fence Lizard	Sceloporus occidentalis	A,D,C	Č	
Side-blotched Lizard	Uta stansburiana	A,D,C	C	
San Diego Horned Lizard	Phrynosoma coronatum blainvi		U	
Colubridae (Colubrids)				
California Striped Racer	Masticophis lateralis lateralis	C	U	
BIRDS				
Cathartidae (American Vultures)				
Turkey Vulture	Cathartes aura	F	U R/T?	

Common Name	Scientific Name	Habitat Abun	dance	Status
Accipitridae (Hawks, Old World Vu	ltures, and Harriers)			
Cooper's Hawk	Accipiter cooperii	O	U	R
Red-shouldered Hawk	Buteo lineatus	O	C	R
Red-tailed Hawk	Buteo jamaicensis	F	C	R
Falconidae (Caracaras and Falcons)) -			
American Kestrel	Falco sparverius	A,N	C	R
Phasianidae (Quails, Pheasants, and	Relatives)			
California Quail	Callipepla californica	A,D,C,N	C	R
Columbidae (Pigeons and Doves)				
Mourning Dove	Zenaida macroura	A,D,C,O	С	R
Tytonidae (Barn Owls)				
Barn Owl	Tyto alba	О	R	R
Strigidae (Typical Owls)				
Western Screech-Owl	Otus kennicottii	О	U	R
Trochilidae (Hummingbirds)				
Anna's Hummingbird	Calypte anna	A,D,C,W		R
Costa's Hummingbird	Calypte costae	C	U	M
Rufous Hummingbird	Selasphorus rufus	C	U	M
Allen's Hummingbird	Selasphorus sasin	C	U	M
Picidae (Woodpeckers and Wrynecl	•			
Acorn Woodpecker	Melanerpes formicivorous	O	C	R
Nuttall's Woodpecker	Picoides nuttallii	O,R,W	U	R
Northern Flicker	Colaptes auratus	О	C	R
Tyrannidae (Tyrant Flycatchers)				
Pacific-slope Flycatcher	Empidonax difficilis	O	C	S
Black Phoebe	Sayornis nigricans	O,A,N	C	R
Ash-throated Flycatcher	Myiarchus cinerascens	A,N	U	S
Western Kingbird	Tyrannus verticalis	A,N	C	S
Corvidae (Jays, Magpies, and Crow	-			
Western Scrub-Jay	Aphelocoma californica	D,C	A	R
American Crow	Corvus brachyrhynchos	A,O	C	R
Common Raven	Corvus corax	A,O	C	R
Paridae (Chickadees and Titmice)	.	2	~	_
Oak Titmouse	Parus inornatus	O	C	R

Common Name	Scientific Name	Habitat Abun	dance S	status
Aegithalidae (Bushtit)				
Bushtit	Psaltriparus minimus	D,C	С	R
Dubitit		۵,0	C	
Troglodytidae (Wrens)				
Canyon Wren	Catherpes mexicanus	C	U	R
Bewick's Wren	Thryomanes bewickii	D	C	R
House Wren	Troglodytes aedon	О	C	R
Muscicapidae (Old World Warb	lers, Gnatcatchers, Kinglets,	Thrushes, Blu	uebirds	, and
Wrentit)				
Western Bluebird	Sialia mexicana	N	C	R
Hermit Thrush	Catharus guttatus	C	U	W
Wrentit	Chamea fasciniata	C	C	R
American Robin	Turdus migratorius	N,W	R	M
Mimidae (Mockingbirds and Thras	hers)			
California Thrasher	Toxostoma redivivum	C	U	R
Ptilogonatidae (Silky Flycatchers)				
Phainopepla	Phainopepla nitens	O	C	S
- manopopus			_	
Sturnidae (Starlings)		_		_
European Starling	Sturnus vulgaris	A,O	C	R
Vireonidae (Typical Vireos)				
Warbling Vireo	Vireo gilvus	О	U	M/S?
Emberizidae (Warblers, Sparrows,	Blackbirds and Relatives)			
Orange -crowned Warbler	Vermivora celata	O	U	S
Nashville Warbler	Vermivora ruficapilla	O	U	M
Common Yellowthroat	Geothlypis trichas	O,R	C	R
Wilson's Warbler	Wilsonia pusilla	O,R	U	M/S
Black-headed Grosbeak	Pheucticus melanocephalus	o o	U	S
Lazuli Bunting	Passerina amoena	C,N	U	S
Spotted Towhee	Pipilo maculatus	D,C,O	A	R
California Towhee	Pipilo crissalis	D,C	A	R
So. Cal. Rufous-crowned Sparrow	-	C	U	R
Lark Sparrow	Chondestes grammacus	Ö	Ü	R
Song Sparrow	Melospiza melodia	O,R	Č	R
Fox Sparrow	Passerella iliaca	C	Č	W
Dark-eyed Junco	Junco hyemalis	O,N,W	Ü	W
•	•			
Fringillidae (Finches)		1 *** * *		Т.
House Finch	Carpodacus mexicanus	A,W,C,D		R
Lesser Goldfinch	Carduelis psaltria	A,W,C	A	R

Common Name	Scientific Name	Habitat Abui	ndance Status
Psittacidae (Parakeets) Green Parakeet	Aratinga holochbra	F	R ?
MAMMALS			
Leporidae (Rabbits and Hares) Desert Cottontail	Sylvilagus audubonii	D,C,N	C
Sciuridae (Squirrels, Chipmunks, a California Ground Squirrel	and Marmots) Spermophilus beecheyi	A,N	A
Geomyidae (Pocket Gophers) Botta's Pocket Gopher	Thomomys bottae	D,A,N	C
Muridae (Rats, mice, and voles) Dusky-footed Woodrat	Neotoma fuscipes	C,O	С
Canidae (Foxes, Wolves, and Relati Coyote Gray Fox	i ves) Canis latrans Urocyon cinereoargenteus	D,C,O O	C U
Felidae (Cats) Bobcat	Felis rufus	O,N	С
Cervidae (Deer, Elk, and Relatives) Mule Deer	Odocoileus hemionus	C,O	С

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Appendix 3 Plant and Animal Sensitivity Guidelines

APPENDIX 3. Plant and Animal Sensitivity Guidelines

Listings by USFWS and CDFG carry regulatory authority (except FSC), while other listings herein are generally advisory in nature and serve to monitor and inform.

FEDERALLY LISTED AND CANDIDATE SPECIES

FE Federal Endangered Species Listed as Endangered by the federal government under the

Endangered Species Act of 1973. Taxa that are in danger of becoming extinct throughout all or a significant portion of their

range.

FT Federal Threatened Species Listed as Threatened by the federal government under the

Endangered Species Act of 1973. Taxa which are likely to become endangered in the foreseeable future in the absence of

special protection.

FSC Former Federal Special Concern Species

The USFWS no longer maintains this list. It previously applied to taxa for which information may exist to possibly support listing, but for which substantial biological information is lacking to support a proposed rule. It is currently a "term-of-art" applied to taxa whose conservation status may be of concern to the USFWS, but have no official federal status. It is provided in

this document for information purposes only.

FPE Federal Proposed Endangered Taxa which have been officially proposed for federal

endangered status, but the biological information to make such a

determination is currently under review.

FPT Federal Proposed Threatened Taxa which have been officially proposed for federal

endangered status, but the biological information to make such a

determination is currently under review.

CALIFORNIA LISTED AND CANDIDATE SPECIES

SE California (state) Endangered Species A native California taxa which is in serious danger of

becoming extinct throughout all or a significant portion

of its range (Fish & Game Code 2062).

ST California (state) Threatened Species A native California taxa which, although not presently

threatened with extinction, is likely to become an endangered species in the foreseeable future in the absence of special protection and management efforts

(Fish & Game Code 2067).

Fully Protected Taxa which fall under special protection within the Fish

& Game Codes (3511-birds, 4700-mammals, 5050-

reptiles and amphibians, 5515-fish). Fully protected and protected species may not be taken or possessed without a permit from CDFG.

CSC CDFG Species of Special Concern

Taxa for which sufficient information exists which warrants concern over that species status and may warrant future listing as threatened or endangered. CDFG designates species as CSC because of declining population levels, limited ranges, and/or continuing threats which have made them vulnerable to extinction. Protective status falls under State Government Code 66474.

SA California Special Animals

Term refers to all taxa the CNDDB is interested in tracking regardless of status or legal protection.

Taxa listed as Special Animals fall into one or more of the following categories:

- Officially listed or proposed for listing under the state or federal ESA.
- State or federal candidate for possible listing
- Taxa which meet the criteria for listing, even if not currently included on any list, as described in Section 15380 of the CEQA Guidelines
- Taxa considered by CDFG to be a CSC
- Taxa that are biologically rare, very restricted in distribution, declining throughout their range, or have a critical, vulnerable stage in their life cycle that warrants monitoring
- Populations in California that may be on the periphery of a taxon's range, but are threatened with extirpation in California
- Taxa closely associated with a habitat that is declining in California at an alarming rate (e.g., wetlands, riparian, old growth forests, desert aquatic systems, native grasslands, vernal pools, etc.)
- Taxa designated as a special status, sensitive, or declining species by other state or federal agencies, or non-governmental organization (NGO)

CALIFORNIA NATIVE PLANT SOCIETY

List 1B: Plants rare, threatened, or endangered in California or elsewhere

List 2: Plants rare or endangered in California, but more common elsewhere.

List 3: Plants about which more information is needed.

List 4: Plants of limited distribution.

A "?" under Rarity/Endangerment/Distribution is given when information to allocate a code is incomplete.

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Appendix 4

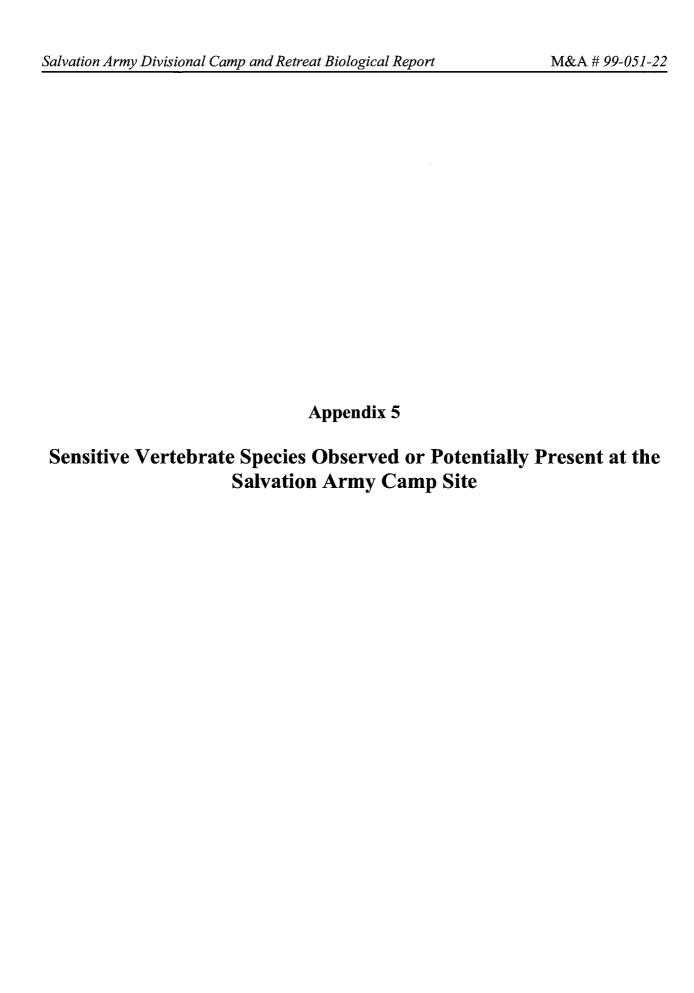
Local Sensitive Plant Species Presence and Status

Appendix 4. Local sensitive plant species presence and status

Appendix 4. Loc	al sensitive piant spec	Appendix 4. Local sensitive plant species presence and status						
Scientific Name	Common Name	Habitat*	Federal	State	CNPS	MSCP	Site Status	Probability of Occurrence/
			Status	Status		Status		Reason for Absence
Acanthomintha ilicifolia	San Diego Thorn-mint	Chprl, CoScr, VFGrs, VnPls/clay	FT	SE	1B	NE Covered	Present locally, absent on-site	Low to none, lack of suitable clay soils
Baccharis vanessae	Encinitas Baccharis	Chprl (sandstone)	FT	SE	1B	NE Covered	Present locally, absent on-site	Low to none, species absent despite botanical surveys
Brodiaea orcuttii	Orcutt's Brodiaea	CCFrs, Chprl, CmWld, Medws, VFGrs, VnPls/clay	None	None	1B	Covered	Present locally, absent on-site	Low to none, species absent despite botanical surveys in appropriate habitat
Ceanothus cyaneus	Lakeside Lilac	CCFrs, Chprl	None	None	1B	NE Covered	Present locally, absent on-site	Optimal soil type (acid igenous) absent from site
Chamaebatia australis	Southern Mountain Misery	Chprl	None	None	4	None	Present locally, absent on-site	Low, species grows in thickets and is not difficult to locate but was not recorded on-site
Chorizanthe leptotheca	Peninsular Spineflower	Chprl, oftentimes on steep slopes	None	None	4	None	Present locally, absent on-site	Low, lack of open loamy areas within chaparral
Clarkia delicata	Delicate Clarkia	Chprl, CmWld	None	None	IB	None	Present locally, absent on-site	Low, limited grasslands on-site are disturbed
Harpagonella palmeri	Palmer's Grappling Hook	Chprl, CoScr, VFGrs/clay	None	None	4	None	Present locally, absent on-site	Low to none, lack of suitable clay soils
Horkelia truncata	Ramona Horkelia	Chprl, CmWld/ clay	None	None	IB	None	Present on-site	N/A
Lepechinia cardiophylla	Heart-leaved Pitcher Sage	CCFrs, Chprl, CmWld	None	None	1B	NE Covered	Present locally, absent on-site	Low, species absent despite botanical surveys
Machaeranthera juncea	Rush-like Bristleweed	Chprl, CoScr	None	None	4	None	Present locally, absent on-site	Low, species absent despite botanical surveys and wetland delineation
Monardella hypoleuca lanata	Feit-leaved Monardella	Chprl, CmWld	None	None	1B	Covered	Present on-site	N/A
Polygala cornuta ssp. fishiae	Fish's Milkwort	Chprl, CmWld, RpWld	None	None	4	None	Rare in region, absent on-site	Low to none, generally rare in region, even in suitable habitat
Quercus engelmannii	Engelmann Oak	Chprl, CmWld, RpWld, VFGrs	None	None	4	None	Present on-site	N/A
Satureja chandleri	San Miguel Savory	Chprl, CmWld, CoScr, RpWld, VFGrs	None	None	1B	Covered	Present locally, absent on-site	Low, species absent despite botanical surveys
Selaginella cinerascens	Ashy Spike-moss	Chprl, CoScr	None	None	None	None	Present on-site	N/A
Senecio ganderi	Gander's Butterweed	Chprl (burned areas, gabbroic outcrops)	None	Rare	1B	Covered	Present on-site	N/A
Tetracoccus dioicus	Parry's Tetracoccus	Chprl, CoScr	None	None	1B	Covered	Rare in region, absent on-site	Low, species absent despite botanical surveys

FT = Federally Threatened, SE = California ESA Endangered, NE = MSCP Narrow Endemic Species

^{*}Habitat codes are synonymous to those used in the California Native Plant Society's Inventory of Rare and Endangered Vascular Plants of California (Skinner and Pavlik 1994). CCFrs = closed-cone conifer forest, Chprl = chaparral, CoScr = coastal scrub, CmWld = cismontane woodland, Medws = meadows and seeps, RpWld = riparian woodland, VFGrs = valley and foothill grassland, VnPls = vernal pools. For habitat characterization see Skinner and Pavlik 1994.



Appendix 5. Local sensitive faunal species presence and status

Common	Scientific	Habitat	Federal	State	CDFG	MSCP	On-site	Probability of Occurrence/Reason
Name	Name		Status	Status	Status	Status	Status	for Absence
Quino Checkerspot Butterfly	Euphydryas editha quino	Open grassland and openings within shrub habitats that support Dwarf Plantain (Plantago erecta)	FE	None	SA	NE	Absent	Results of 2001 focused surveys were negative
Hermes Copper	Lycaena hermes	Openings in chaparral, associated with the larval host plant Spiny Redberry (Rhamnus crocea), adults feed on nectar from Flat-top Buckwheat	FSC	None	SA	None	Absent/ Not expected	Low to none, due to absence of host plant
Harbison's Dun Skipper	Euphyes vestris harbisoni	Riparian oak woodland in a matrix of chaparral with moist conditions that support its host plant San Diego Sedge (Carex spissa)	FSC	None	SA	None	Potentially present	Moderate; this species was not detected during lepidoptera surveys on-site and CNDDB does not report this species from the immediate area but the host plant does occur on-site
Large-blotched Salamander	Ensatina klauberi	Oak woodlands, mixed chaparral, and mixed coniferous forests with an abundance of surface litter	FSC	None	CSC	None	Absent/ Not expected	Low to none; not known from the immediate region; site has woodlands, but it is outside of this salamander's normal range
Arroyo Toad	Bufo californicus	Shallow pools, open sand, and gravel flood terraces of intermittent to perennial streams; may also occupy adjacent upland communities within 1.2 km	FE	None	CSC, Protected	NE, Covered	Absent	Lack of suitable habitat (see subsequent textual discussion)
Western Spadefoot	Spea hammondii	Prefers sandy or gravelly soil in grasslands, sage scrub, open chaparral, and pine-oak woodlands; grasslands with shallow temporary pools are optimal	FSC	None	CSC, Protected	None	Potentially present	Moderate; known from the region, but lack of breeding habitat limits potential
California Red- legged Frog	Rana aurora draytonii	Quiet permanent stream pools, marshes, and ponds	FT	None	CSC, Protected	NE, Covered	Absent	Requires permanent or nearly permanent water with emergent vegetation, which is absent
San Diego Banded Gecko	Coleonyx variegatus abbotti	Areas of rock outcrop within sage scrub and chaparral	FSC	None	SA	None	Potentially present	Good; due to the presence of undisturbed rock outcrops within sage scrub and chaparral
Silvery Legless Lizard	Anniella pulchra pulchra	Shows a preference for areas of leaf litter and loose soil along washes, beach sand dunes, open scrub and woodland, and sandy benches along alluvial fans.	FSC	None	csc	None	Potentially present	Good
San Diego Horned Lizard	Phrynosoma coronatum blainvillii	Chaparral, sage scrub, oak woodlands, and grasslands; sometimes occurs along seldom used dirt roads where native ant species are prevalent	FSC	None	CSC, Protected	Covered	Present	N/A

Common	Scientific Name	Habitat	Federal Status	State Status	CDFG Status	MSCP Status	On-site Status	Probability of Occurrence/Reason for Absence
Coronado Skink	Eumeces skiltonianus interparietalis	Variety of habitats including grasslands, sage scrub, and various woodlands including oak, pine, juniper, and riparian	FSC	None	CSC	None	Expected	Excellent
Orange-throated Whiptail	Aspidoscelis (=Cnemidophor us) hyperythra beldingi	Sage scrub (and chaparral), prefers sandy areas with patches of brush and rocks; may be associated with buckwheat and Black Sage	FSC	None	CSC, Protected	Covered	Present	N/A
Coastal Western Whiptail*	Aspidoscelis (=Cnemidophor us) tigris stejnegeri	Coastal Sage Scrub, chaparral, and grasslands	FSC	None	SA	None	Expected	Excellent, known from the immediate area (CNDDB data), and suitable habitat exists on-site
Coastal Rosy Boa	Charina (=Lichanura) trivirgata	Rocky outcrop areas within chaparral and sage scrub	FSC	None	SA	None	Potentially present	Good; Klauber (unpublished data) indicates species presence within Mussey Grade area and suitable habitat exists onsite
San Diego Ringneck Snake	Diadophis punctatus similis	Chaparral, forest, and grasslands, most common in moist, rocky areas	None	None	SA	None	Potentially present	Good; Klauber (unpublished data) indicates species presence within Mussey Grade area and suitable habitat exists onsite
Coast Patch- nosed Snake	Salvadora hexalepis virgultea	Chaparral and sage scrub; may require mammal burrows or woodrat nests for overwintering	FSC	None	CSC	None	Expected	Excellent; known from the immediate area (CNDDB data, Klauber unpublished data), suitable habitat exists on-site and woodrats occur on-site
Two-striped Garter Snake	Thamnophis hammondi	Associated with semi-permanent and permanent bodies of water in a variety of habitats; requires a relatively dense riparian border	None	None	CSC, Protected	None	Potentially present	Moderate; the lack of a persistent water source limits on-site foraging habitat and the understory of the on-site riparian habitats is not typically dense
Northern Red Diamond Rattlesnake	Crotalus ruber ruber	Occupies rocky outcrops and areas of heavy brush or rugged terrain in chaparral, sage scrub, or desert scrub on both coastal and desert slopes, usually below 4000 feet	FSC	None	CSC	None	Potentially present	Good; Klauber (unpublished data) indicates species presence within Mussey Grade area and suitable habitat exists onsite
Turkey Vulture	Cathartes aura	Open habitats with protected large trees, snags, rock outcrops, or cliffs for nesting	None	None	None	None	Present	N/A
White-tailed Kite	Elanus leucurus	Grasslands, agricultural fields, and open habitats with areas of dense deciduous trees for nesting	None	None	SA, Fully Protected	None	Potentially present	Low; potential for sporadic occurrence, low potential for nesting
Golden Eagle	Aquila chrysaetos	Nests in cliffs (or trees), found in generally mountainous or hilly terrain	None	None	CSC, Fully Protected	NE (nesting) Covered	Expected	A Golden Eagle nest is located west of the site; the site may be used as foraging habitat.

Common	Scientific	Habitat	Federal	State	CDFG	MSCP	On-site	Prohability of Occurrence/Reason
Name	Name		Status	Status	Status	Status	Status	for Absence
Sharp-shinned Hawk	Accipiter striatus	Mixed woodlands near open areas, prefers but not restricted to riparian habitats	None	None	CSC	None	Potentially present in appropriate season	Good; this species is likely a migrant within the on-site non-native and oak woodlands.
Cooper's Hawk	Accipiter cooperii	Oak, riparian deciduous or other woodland habitats usually near water	None	None	CSC	Covered	Present	N/A
Red-shouldered Hawk	Buteo lineatus	Dense riparian areas with adjacent edges and open areas for hunting	None	None	None	None	Present	N/A
Ferruginous Hawk	Buteo regalis	Dry, open habitats, typically grasslands	FSC	None	csc	Covered	Potentially present in appropriate season	Low; lack of sizable grassland habitat severely limits potential
Loggerhead Shrike	Lanius Iudovicianus	Found within grassland or open habitats with bare ground and sparse shrub and/or tree cover for nesting and perching	FSC	None	CSC	None	Absent	Likely due to lack of grasslands (surveys would have identified the presence of this species)
Least Bell's Vireo	Vireo bellii pusillus	Moist woodlands, typically early successional riparian habitat (details in report text)	FE	SE	SA	NE, Covered	Absent	Lack of structurally suitable riparian habitat, surveys would have identified this conspicuous species by song
California Horned Lark	Eremophila alpestris actia	Grasslands, disturbed areas and open habitats with sparse, low vegetation	None	None	csc	None	Potentially present	Low; very limited habitat exists on-site and this species is not expected to have gone undetected
California Gnatcatcher*	Polioptila californica	Various successional stages of sage scrub	FT	None	csc	Covered	Absent, although previously recorded on-site	Low; isolated patches of relatively low quality sage scrub are the only suitable habitat on-site; adjacent off-site areas of higher quality sage scrub have not supported this species recently
Western Bluebird	Sialia mexicana	Open woodlands, farmlands, and orchards	None	None	None	Covered	Present in appropriate season	N/A
Yellow Warbler	Dendroica petechia	Riparian woodlands, especially of willows	None	None	csc	None	Not expected	Low, due to the absence of willow dominated mature riparian woodland
Yellow-breasted Chat	Icteria virens	Riparian woodland/scrub with dense undergrowth	None	None	CSC	None	Not expected/ Absent	Low, due to the limited presence of dense riparian undergrowth, but distinctive song unlikely to have gone undetected

Common Name	Scientific Name	Habitat	Federal Status	State Status	CDFG Status	MSCP Status	On-site Status	Probability of Occurrence/Reason for Absence
Southern California Rufous-crowned Sparrow	Aimophila ruficeps canescens	Rocky hillsides supporting sparse, low scrub or chaparral, sometimes mixed with grasses	FSC	None	SSC	Covered	Present	N/A
Bell's Sage Sparrow	Amphispiza belli belli	Relatively open chaparral (e.g. Chamise Chaparral) and sage scrub; Non-fragmented, contiguous areas on relatively flat terrain appear to be preferred	FSC	None	SSC	None	Not expected	Poor; the site provides little suitable habitat due to the lack of flat or mildly sloping terrain with sage scrub or open chaparral.
Grasshopper Sparrow	Ammodramus savannarum	Grasslands and pastures	None	None	SA	None	Absent	Lack of suitable habitat, the on-site grasslands are limited and mowed
Tricolored Blackbird	Agelaius tricolor	Feeds in grasslands and croplands, breeds near freshwater preferably in marshes or other emergent wetlands	FSC	None	CSC	Covered	Absent	Poor to None; no suitable habitat is located on-site
Yuma Myotis	Myotis yumanensis	Utilizes multiple habitats (primarily woodlands and forests) but forages over water	FSC	None	CSC	None	Expected	Excellent; this species is known from the San Vicente Reservoir area and is the 2 nd most common bat species in San Diego; suitable habitat exists on-site
Long-eared Myotis	Myotis evotis	Uses multiple habitats for roosting (mainly crevices), forages in oak/coniferous forests, may require water	FSC	None	None	None	Potentially present	Insufficient information to determine probability of occurrence
Small-footed Myotis	Myotis ciliolabrum	Uses a variety of habitats, prefers open stands in forests/woodlands, brushy habitats, and riparian areas	FSC	None	None	None	Potentially present	Insufficient information to determine probability of occurrence
Townsend's Big- eared Bat	Corynorhinus townsendii	Cave rooster, feeds in forest/woodland habitats or along habitat edges within 15 km of roost site	FSC	None	CSC	None	Expected	Strong association with oak woodlands (for foraging) in San Diego County
Pallid Bat	Antrozous pallidus	Utilizes open forest and grassland habitats for feeding and multiple habitats for roosting	None	None	CSC	None	Expected	Good; known from San Vicente area
Pocketed Free-tailed Bat	Nyctinomops femorosaccus	Cliff rooster, feeds in multiple habitats	None	None	CSC	None	Expected	Good; not necessarily roosting, but foraging, may roost nearby
Big Free-tailed Bat	Nyctinomops macrotis	Cliff rooster, prefers rugged, rocky canyons, feeds in multiple habitats including over water	None	None	CSC	None	Potentially present	Insufficient information to determine probability of occurrence
Western Mastiff Bat (see Ca. Mastiff Bat in	Eumops perotis	Extensive open areas with abundant roost locations in rock outcrops, (found where oaks and chaparral occur)	FSC	None	CSC	None	Expected	Good; known from San Vicente area, expected to forage on-site

Common	Scientific	Habitat	Federal	State	CDFG	MSCP	On-site	Probability of Occurrence/Reason
Name	Name		Status	Status	Status	Status	Status	for Absence
report text)								
San Diego Black- tailed Jackrabbit	Lepus californicus bennettii	Relatively open chaparral and sage scrub and grasslands	FSC	None	CSC	None	Potentially present	Moderate to good; much of the on-site habitats are too dense, but suitable open sage scrub and grassland exist on-site
Los Angeles Little Pocket Mouse	Perognathus longimembris brevinasus	Found in areas of fine sandy ground, (Coastal Sage Scrub)	FSC	None	CSC	None	Absent	Rarely found on rocky sites; outside of expected range; not identified during trapping
Dulzura California/Pacific Pocket Mouse	Chaetodipus californicus femoralis	Found in areas of fine sandy ground, (Chaparral/Coastal Sage Scrub)	FSC	None	CSC	None	Absent	Rarely found on rocky sites; not identified during trapping
Northwestern San Diego Pocket Mouse	Chaetodipus fallax fallax	Found in Coastal sage scrub	FSC	None	CSC	None	Present	N/A
Stephen's Kangaroo Rat	Dipodomys stephensi	Areas of sparse vegetation primarily grasslands, but may occur in sage scrub or disturbed areas	FE	ST	SA	None	Absent	Absence determined through trapping
Southern Grasshopper Mouse	Onychomys torridus ramona	Variety of habitats, including grasslands, sage scrub and chaparral, where friable soils occur	FSC	None	csc	None	Not expected	Low, not identified during trapping
San Diego Desert Woodrat	Neotoma lepida intermedia	Chaparral, particularly abundant in areas of rock outcrops	FSC	None	CSC	None	Present	N/A
American Badger	Taxidea taxus	Grasslands and open scrub habitats	None	None	SA	Covered	Absent	Lack of suitable habitat; no reports from the area, and no evidence of species presence on-site
Ringtail	Bassariscus astutus	Chaparral or forested habitat in close association with rock outcrops and riparian habitat	None	None	Protected	None	Potentially present	Good to Excellent, on-site undisturbed chaparral and oak woodlands in conjunction with rock outcrops provide optimal habitat.
Mountain Lion	Puma concolor	Chaparral or woodland habitats with requisite areas of riparian vegetation and interspersions of rock outcrops and irregular terrain where deer are present	None	None	Protected	Covered	Potentially present	Good to Excellent; chaparral, oak woodlands and riparian forest provide suitable habitat and prey species occur in area
Mule Deer	Odocoileus hemionus	Chaparral and open forest habitats with abundant edge and interspersed riparian habitat	None	None	None	Covered	Present	N/A

informational purposes. SSC = CDFG Species of Special Concern, SLC = Species of Local Concern. More detailed descriptions of the above (FSC) = Formerly a Federal Species of Concern. The USFWS no longer maintains this list; however, the former designation has been include for categories are found in Appendix 3. *Species recorded during previous biological survey but not observed during 1999 –2001 surveys.

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Appendix 6 Routine Wetland Data Forms and Photo Points Salvation Army Divisional Camp and Retreat

(1987 COE Wetlands Delineation Manual)

Project/Site: Applicant/Owner:	Salvation Army Camp Salvation Army			Date: County:	5/5/00 San Diego
Investigator:	VAL, NKJ			State:	CA
	tances exist on the site? htly disturbed (Atypical Situation)?	⊠ Yes	□ No ⊠ No	Community ID: Transect ID:	NWW DP1
Is the area a potenti (If needed, expla	al Problem Area?	☐ Yes	⊠ No	Plot ID:	PP1

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Toxicodendron diversilobum	Н	NI	9.		
2. Bromus diandrus	H	NI	10.		
3. Oxalis corniculata	H	FACU	11.		
4. Stellaria media	H	FACU	12.		
5. Quercus agrifolia	Т	NI	13.		
6.			14.		
7.			15.		
8.			16.		
Percentage of Dominant Species that	are OBL, FACW	or FAC (exclu	uding FAC-). 0%		
Remarks: No hydrophytic veg	getation pre	sent.			

 ☐ Recorded Data (Described in Remarks): ☐ Stream, Lake, or Tide Gauge ☐ Aerial Photographs ☐ Other ☐ No Recorded Data Available 	Wetland Hydrology Indicators: Primary Indicators: Inundated Saturated in Upper 12 inches Water Marks Drift Lines
Field Observations: Depth of Surface Water: Depth to free Water in Pit Depth of Saturated Soil: - (in.)	☐ Sediment Deposits ☐ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: Incised drainage running beneath of Soil is moist, but not saturated.	

Map Unit Name					
(Series and Phase): Cienet	oa rocky co	oarse	-		
sandy loam					ly drained
T(C-1)				ield Observations	Vog ⊠No
Taxonomy (Subgroup): Typ	old Xerortr	ents		Confirm Mapped Type?	Yes ⊠ No
Profile Description:					
Profile Description: Depth	Matrix Colo	r Ma	ottle Co	olors Mottle	
(inches) Horizon	(Munsell Moi		nsell N		Texture, Concretions, Structure, etc.
0-4	7.5 YR 3/2		110011 17	(ricalidation contrast)	loamy sand
4-12	7.5 YR ¾				loamy sand
12-16	7.5 YR ¾	í			loamy sand
	·				
Hydric Soil Indicators: Histosol Histic Epipedon Sulfidic Odor Aquic Moisture R Reducing Condition Gleyed or Low-Cl	ons nroma Colors soil indica		Hi Or Li Cor Cor	oncretions igh Organic Content in surface lay rganic Streaking in Sandy Soils sted on Local Hydric Soils List sted on National Hydric Soils Lis ther (Explain in Remarks) was very gravelly.	
Hydrophytic Vegetation Pre	sent? Yes	☐ No	\boxtimes		
Wetland Hydrology Present	? Yes	⊠ No			
Hydric Soils Present?	Yes	☐ No	\boxtimes	Is this Sampling Point Within a	Wetland? Yes 🗌 No 🛛
Remarks: CDFG jurisdi waters of the U.S.,				L t Live Oak Riparian For RPO wetland.	rest. ACOE non-wetland

(1987 COE Wetlands Delineation Manual)

Project/Site: Applicant/Owner: Investigator:	Salvation Army Camp Salvation Army VAL, NKJ			Date: County: State:	5/5/00 San Diego CA
		⊠ Yes □ Yes □ Yes	□ No ⊠ No ⊠ No	Community ID: Transect ID: Plot ID:	NWW DP2 PP2

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Vinca major	Н	NI	9.		
2. Galium aparine	Н	FACU	10.		
3. Oxalis corniculata	H	FACU	11.		
4. Quercus agrifolia	T	NI	12.		
5. Platanus racemosa	T	FACW	13.		
6. Bromus diandrus	H	NI	14.		
7.			15.		
8.			16.		
Percentage of Dominant Species that are	OBL, FACW	or FAC (exclu	iding FAC-). 17%		
Remarks: Hyprophytic vegetati	on criter	ia not met			

 ☐ Recorded Data (Described in Remarks): ☐ Stream, Lake, or Tide Gauge ☐ Aerial Photographs ☐ Other 	Wetland Hydrology Indicators: Primary Indicators: Inundated Saturated in Upper 12 inches
☐ No Recorded Data Available	☐ Water Marks
	☐ Drift Lines
Field Observations:	☐ Sediment Deposits
Depth of Surface Water: - (in.)	☐ Drainage Patterns in Wetlands
Depth to free Water in Pit - (in.)	Secondary Indicators (2 or more required):
Depth of Saturated Soil: - (in.)	☐ Oxidized Root Channels in Upper 12 Inches
	☐ Water-Stained Leaves
·	☐ Local Soil Survey Data
	☐ FAC-Neutral Test
	Other (Explain in Remarks)
Remarks: Soil is moist but not saturated.	······································

	·····		·						
Map Unit Name	a: ,								
(Series and Phase): Cieneba rocky coarse sandy loam Drainage Class: _excessively drained									
Field Observations									
Taxonomy (Subgroup): Typic Xerorthents Confirm Mapped Type? 🔲 Yes 🔯 No									
Profile Description	••								
Depth		Matrix Color	Mottle Co	lors	Mottle				
		Munsell Moist) (Munsell M	(oist)	Abundance/Contra	, , , , , , , , , , , , , , , , , , ,			
0-4	7	7.5 YR 3/2	7.5 YR	4/6	faint, many, coarse	sandy lo	am		
4/10		7.5 YR 3/4				loamy sa			
10-16		10 YR 3/2	7.5 YR	4/4	faint, few, coarse	sandy lo	am		
Hydric Soil Indicators: Histosol Histo Epipedon Sulfidic Odor Aquic Moisture Regime Reducing Conditions Gleyed or Low-Chroma Soil with mottles. WETLAND DETERMINATION High Organic Content in surface layer in Sandy Soils Concretions High Organic Content in surface layer in Sandy Soils Concretions Listed on Local Hydric Soils List Concretions Listed on Local Hydric Soils List Concretions Concretions Listed on Local Hydric Soils List Concretions Concretions Concretions Listed on Local Hydric Soils List Concretions Con									
Hydrophytic Vege	etation Presen	nt? Yes [] No 🛛						
Wetland Hydrolog	gy Present?	Yes	☑ No □						
Hydric Soils Prese	ent?	Yes	☑ No □	Is this San	mpling Point With	nin a Wetland? Yes	No 🗵		
Remarks: CDFG jurisdictional Southern Coast Live Oak Riparian Forest. ACOE non-wetland waters of the U.S., which is also County RPO wetland.									

Project/Site:	Salvation Arm	nv Camp			Date:	5/5/00		
Applicant/Owner:	Salvation Arm				County:	San Die	.go	
Investigator:	VAL, NKJ	<u>-</u>			State:	CA		
ur, 20%5	<u> </u>		_					
Do normal circums	stances exist on the si	ıte?	⊠ Yes	□No	Community ID:		NWW	
	ntly disturbed (Atypic		□ Yes	□ ⊠ No	Transect ID:		DP3	
is the area a potenti			☐ Yes	— ⊠ No	Plot ID:		PP3	
(If needed, expla								
VEGETATION		T 2			71 . 0	C1 - 5	T. dianta	
	Plant Species	Stratum	Indicator NI		t Plant Species	Stratum	Indicator	
1. Raphanus sa		H	NI	9.			+	
2. Bromus diam		H	FACU	11.			+	
3. Bromus moll		H	FAC	11.				
4. Ambrosia ps 5. Erodium sp.		H	NI	13.			+	
5. erogium sp. 6.				14.				
7.		 		15.			+	
7. 8.			·	16.				
	ninant Species that are	e OBL, FACW	or FAC (excl	uding FAC-). 2	0%		_l	
Remarks: Hydrop	phytic vegetati	on criteri	a not met					
HYDROLOGY	(·					
				Wetland Hydrology Indicators:				
Recorded Data	ta (Described in Rema	rks);	Wet	'land Hydrology'.	Indicators:			

 ☐ Recorded Data (Described in Remarks): ☐ Stream, Lake, or Tide Gauge ☐ Aerial Photographs ☐ Other ☐ No Recorded Data Available 	Wetland Hydrology Indicators: Primary Indicators: Inundated Saturated in Upper 12 inches Water Marks Drift Lines
Field Observations: Depth of Surface Water: Depth to free Water in Pit Depth of Saturated Soil: - (in.)	☐ Sediment Deposits ☐ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: Incised drainage.	

Map Unit Name (Series and Phase): Cieneba rocky coarse sandy loam Drainage Class: _excessively drained Field Observations Taxonomy (Subgroup): Typic Xerorthents Confirm Mapped Type? ☐ Yes ☒ No									
Profile Description: Depth Matrix Color Mottle Colors Mottle									
(inches) 0-8	Horizon	izon (Munsell Moist) (Munsell Moist) (Abundance/Contrast) Texture, Concretions, Structure, etc. 10 YR 4/3 sandy loam							
0-8		10 IR 4/	3						Sandy Toalii
							-		
		-							
									
Hydric Soil Indicators: Histosol Histic Epipedon High Organic Content in surface layer in Sandy Soils Sulfidic Odor Aquic Moisture Regime Listed on Local Hydric Soils List Reducing Conditions Gleyed or Low-Chroma Colors Remarks: Could only dig to 8" in depth due to large rocks (cobble). No hydric soil indicators.									
WETLAND Hydrophytic Ve			F 1	No			· · · · · · · · · · · · · · · · · · ·		
11yaropnyae ve	egetation riest	5H1: 1 CS		110					
Wetland Hydro	logy Present?	Yes	\boxtimes	No					
Hydric Soils Pr	resent?	Yes		No	\boxtimes	Is this	Sampling Point V	Vithin a	Wetland? Yes 🗌 No 🛛
Remarks: Non-wetland waters of the U.S. (Jurisdictional under ACOE, CDFG, and County).									

(1987 COE Wetlands Delineation Manual)

Project/Site: Applicant/Owner: Investigator:	Salvation Army Camp Salvation Amry VAL, NKJ	Date: County: State:	5/5/00 San Diego CA		
li de la companya de		⊠ Yes □ Yes □ Yes	□ No ⊠ No ⊠ No	Community ID: Transect ID: Plot ID:	NWW DP4 PP4

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator			
1. Toxicodendron diversilobum	H	NI	9.		-			
2. Juncus dubius	H	FACW	10.					
3. Quercus agrifolia	T	NI	11.					
4. Piptatherum miliacium	Н	NI	12.					
5.			13.					
6.			14.					
7.			15.					
8.			16.					
Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 25% Remarks: Hydrophytic vegetation criteria not met.								

Recorded Data (Described in Remarks):	Wetland Hydrology Indicators:			
Stream, Lake, or Tide Gauge	Primary Indicators:			
Aerial Photographs	Inundated			
_ Dother	☐ Saturated in Upper 12 inches			
☐ No Recorded Data Available	☐ Water Marks			
	☐ Drift Lines			
Field Observations:	☐ Sediment Deposits			
Depth of Surface Water: (in.)	☐ Drainage Patterns in Wetlands			
Depth to free Water in Pit (in.)	Secondary Indicators (2 or more required):			
Depth of Saturated Soil: (in.)	Oxidized Root Channels in Upper 12 Inches			
	☐ Water-Stained Leaves			
	☐ Local Soil Survey Data			
	☐ FAC-Neutral Test			
	☐ Other (Explain in Remarks)			
Remarks: Incised drainage.				
<u> </u>	· · · · · · · · · · · · · · · · · · ·			

SOILS Map Unit Name (Series and Phase): Cieneba rocky coarse Drainage Class: sandy loam Field Observations

excessively drained Confirm Mapped Type? ☐ Yes ⊠ No Taxonomy (Subgroup): Typic xerorthents Profile Description: Mottle Matrix Color Mottle Colors Depth (Abundance/Contrast) Texture, Concretions, Structure, etc. (inches) Horizon (Munsell Moist) (Munsell Moist) 10 YR 3/1 10 YR 6/6 faint loam 0-4 many, course 7.5 YR 5/8 distinct, few, medium Hydric Soil Indicators: Concretions ☐ Histosol ☐ Histic Epipedon High Organic Content in surface layer in Sandy Soils Organic Streaking in Sandy Soils ☐ Sulfidic Odor Listed on Local Hydric Soils List ☐ Aquic Moisture Regime ☐ Reducing Conditions ☐ Listed on National Hydric Soils List Other (Explain in Remarks) ☐ Gleyed or Low-Chroma Colors Could dig pit only 4" due to rocks and poison oak. Remarks: Low chroma soil with mottles.

WETLAND DETERMINAT	ION			
Hydrophytic Vegetation Present?	Yes		No	
Wetland Hydrology Present?	Yes	\boxtimes	No	
Hydric Soils Present?	Yes	\boxtimes	No	Is this Sampling Point Within a Wetland? Yes \(\bigcap\) No \(\bigcap\)
Remarks: CDFG jurisdictic waters of the U.S., whi				t Live Oak Riparian Forest. ACOE non-wetland RPO wetland.

(1987 COE Wetlands Delineation Manual)

Project/Site: Applicant/Owner:	Salvation Army Camp Salvation Army			Date: County:	5/8/00 San Diego
Investigator:	VAL, NKJ		State:	CA	
Do normal circumst ls the site significan	⊠ Yes □ Yes	□ No ⊠ No	Community ID: Transect ID:	NWW DP5	
ls the area a potenti (If needed, expla	☐ Yes	⊠ No	Plot ID:	PP5	

VEGETATION

 ☐ Recorded Data (Described in Remarks): ☐ Stream, Lake, or Tide Gauge ☐ Aerial Photographs ☐ Other ☐ No Recorded Data Available 	Wetland Hydrology Indicators: Primary Indicators: Inundated Saturated in Upper 12 inches Water Marks Drift Lines
Field Observations: Depth of Surface Water: Depth to free Water in Pit Depth of Saturated Soil: (in.) (in.)	☐ Sediment Deposits ☐ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: Wetland hydroology is indicated by	drainage patterns.

Map Unit Name (Series and Phase): Cieneba rocky coarse sandy loam Drainage Class: excessively drained Field Observations Taxonomy (Subgroup): Typic Xerorthents Confirm Mapped Type? ☐ Yes ☒ No									
Profile Descript Depth (inches) 0-4 4-12 12-16		Matrix Colo (Munsell Moi 7.5 YR 3/ 7.5 YR 3/ 7.5 YR 4/	st) (N	Mottle Co		Mottle (Abundance/C		loam loam	tions, Structure, etc. ny sand ny sand ny sand
Hydric Soil Indicators: Histosol Histic Epipedon Sulfidic Odor Sulfidic Odor Aquic Moisture Regime Reducing Conditions Gleyed or Low-Chroma Colors Remarks: No hydric soil indicators. Soil was very gravelly.									
WETLAND									
Hydrophytic Ve Wetland Hydro		ent? Yes Yes	□ N □ N	_	:				
	Wetland Hydrology Present? Yes ☑ No ☑ Hydric Soils Present? Yes ☑ No ☑ Is this Sampling Point Within a Wetland? Yes ☑ No ☑								
Remarks: Non-wetland Waters of the U.S. (jurisdictional under ACOE, CDFG, and County).									

(1987 COE Wetlands Delineation Manual)

Project/Site: Applicant/Owner: Investigator:	Salvation Army Camp Salvation Army KLI, AHB, VAL			Date: County: State:	5/12/00 San Diego CA
Do normal circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)		□ Yes	⊠ No	Community ID:	EW
		⊠ Yes	□ No	Transect ID:	DP6
		□ Yes	⊠ No	Plot ID:	PP6

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator		
1. Eleocharis macrostachya	Н	OBL	9.				
2. Mimulus guttatus	Н	OBL	10.				
3. Lytherum hyssopifolia	H	FACW	11.				
4. Bromus hordeaceus	Н	FACU	12.				
5.			13.				
6.			14.				
7.			15.				
8.			16.				
Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 75% Remarks: Emergent wetland vegetation growing in drainage.							

 ☐ Recorded Data (Described in Remarks): ☐ Stream, Lake, or Tide Gauge ☐ Aerial Photographs ☐ Other ☐ No Recorded Data Available 	Wetland Hydrology Indicators: Primary Indicators: Inundated Saturated in Upper 12 inches Water Marks Drift Lines
Field Observations: Depth of Surface Water: Depth to free Water in Pit Depth of Saturated Soil: - (in.)	☐ Sediment Deposits ☐ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: Incised channel	

SOILS				=======================================			
Map Unit Name	7 7-0-	r.		22 2			
(Series and Phase): Visalia	a sandy loam		Orainage Class: <u>moderately</u> Field Observations	y well-drained			
Taxonomy (Subgroup): Pach	hic Haploxer			Yes 🛭 No			
Taxonomy (odogroup).	IIC IIGPIII	7110	Ullim Trampet - J.	100			
Profile Description:				[/			
Depth	Matrix Color	Mottle Co.					
(inches) Horizon	(Munsell Moist)	(Munsell M		Texture, Concretions, Structure, etc.			
0-12	10YR 3/2	5YR 5/	/6 faint, few, medium	sandy loam			
			III Canada				
				 			
		-		<u> </u>			
		 					
Histosol Histic Epipedon High Organic Content in surface layer in Sandy Soils Sulfidic Odor Organic Streaking in Sandy Soils Aquic Moisture Regime Listed on Local Hydric Soils List Reducing Conditions Gleyed or Low-Chroma Colors Other (Explain in Remarks) Remarks: Soils in drainage could not be assessed due to high abundance of cobble. Couldn't dig pit. Sampled bank soils instead, which had low-chroma colors and mottles. WETLAND DETERMINATION							
Hydrophytic Vegetation Prese	sent? Yes 🛛	No 🗌					
Wetland Hydrology Present?	Yes 🛛	No 🔲		•			
Hydric Soils Present?	Yes 🛚		Is this Sampling Point Within a				
Remarks: Emergent Wet	lands (juriso	lictional	under ACOE, CDFG, and	County).			

(1987 COE Wetlands Delineation Manual)

Project/Site: Applicant/Owner: Investigator:	Salvation Army Camp Salvation Army AHB, VAL			Date: County: State:	5/12/00 San Diego CA
Do normal circumst	tances exist on the site? atly disturbed (Atypical Situation)? al Problem Area?	☐ Yes ⊠ Yes ☐ Yes	⊠ No □ No ⊠ No	Community ID: Transect ID: Plot ID:	NWW DP7 PP7

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator			
1. Bromus rubens	Н	NI	9.					
2. Erodium sp.	H	NI	10.					
3. Cyrptantha intermedia	H	NI	11.					
4. Hirschfeldia incana	H	NI	12.					
5.			13.					
6.			14.					
7.			15.					
8.			16.					
Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0 %								
Remarks: Upland vegetation								
l l								
i l								
<u> </u>								

 □ Recorded Data (Described in Remarks): □ Stream, Lake, or Tide Gauge □ Aerial Photographs □ Other □ No Recorded Data Available 	Wetland Hydrology Indicators: Primary Indicators: Inundated Saturated in Upper 12 inches Water Marks Drift Lines
Field Observations: Depth of Surface Water: Depth to free Water in Pit Depth of Saturated Soil: - (in.) (in.)	☐ Sediment Deposits ☐ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: Data Point is located in a basin the are signs such as drainage patterns and set flows into this basin from a four foot wide but not saturated.	ediment deposits that indicate that water

Map Unit Name (Series and Phase): Cieneba rocky coarse sandy loam Depth
Concretions
Drainage Class: excessively drained Field Observations Confirm Mapped Type?
Taxonomy (Subgroup): Typic Xerorthents Field Observations Confirm Mapped Type?
Taxonomy (Subgroup): Typic Xerorthents
Profile Description: Depth (inches) Horizon (Munsell Moist) (Abundance/Contrast) Texture, Concretions, Structure, etc. 0-4
Profile Description: Depth (inches) Horizon (Munsell Moist) (Abundance/Contrast) Texture, Concretions, Structure, etc. 0-4
Depth (inches)
Depth (inches)
Depth (inches)
(inches) Horizon (Munsell Moist) (Munsell Moist) (Abundance/Contrast) Texture, Concretions, Structure, etc. 0-4
O-4
Sand Joamy sand Sand Joamy sand Sand Joamy sand San
Hydric Soil Indicators:
Hydric Soil Indicators:
Hydric Soil Indicators: Histosol
Histosol
Histosol
Histosol
Histosol
Histosol
Histosol
Histosol
Histosol
Histic Epipedon
Sulfidic Odor
Sulfidic Odor
Aquic Moisture Regime
☐ Reducing Conditions ☐ Listed on National Hydric Soils List ☐ Gleyed or Low-Chroma Colors ☐ Other (Explain in Remarks) Remarks: The soils could not be accurately determined because the area was filled Could not dig past 12" because of hard surface. WETLAND DETERMINATION Hydrophytic Vegetation Present? Yes ☐ No ☐ Wetland Hydrology Present? Yes ☐ No ☐ Hydric Soils Present? Yes ☐ No ☐ Is this Sampling Point Within a Wetland? Yes ☐ No ☐ Remarks: Atypical situation, soils, hydrology, and maybe vegetation, were altered. Because area was a depression and there were signs that waters flow into the area, it was
☐ Reducing Conditions ☐ Listed on National Hydric Soils List ☐ Gleyed or Low-Chroma Colors ☐ Other (Explain in Remarks) Remarks: The soils could not be accurately determined because the area was filled Could not dig past 12" because of hard surface. WETLAND DETERMINATION Hydrophytic Vegetation Present? Yes ☐ No ☐ Wetland Hydrology Present? Yes ☐ No ☐ Hydric Soils Present? Yes ☐ No ☐ Is this Sampling Point Within a Wetland? Yes ☐ No ☐ Remarks: Atypical situation, soils, hydrology, and maybe vegetation, were altered. Because area was a depression and there were signs that waters flow into the area, it was
Gleyed or Low-Chroma Colors
Remarks: The soils could not be accurately determined because the area was filled Could not dig past 12" because of hard surface. WETLAND DETERMINATION Hydrophytic Vegetation Present? Yes No Wetland Hydrology Present? Yes No Hydrocology Present? Yes No Hydrocology Present? Yes No Is this Sampling Point Within a Wetland? Yes No Remarks: Atypical situation, soils, hydrology, and maybe vegetation, were altered. Because area was a depression and there were signs that waters flow into the area, it was
WETLAND DETERMINATION Hydrophytic Vegetation Present? Yes No Wetland Hydrology Present? Yes No Hydric Soils Present? Yes No S Is this Sampling Point Within a Wetland? Yes No Remarks: Atypical situation, soils, hydrology, and maybe vegetation, were altered. Because area was a depression and there were signs that waters flow into the area, it was
WETLAND DETERMINATION Hydrophytic Vegetation Present? Yes No Wetland Hydrology Present? Yes No Hydric Soils Present? Yes No S Is this Sampling Point Within a Wetland? Yes No Remarks: Atypical situation, soils, hydrology, and maybe vegetation, were altered. Because area was a depression and there were signs that waters flow into the area, it was
WETLAND DETERMINATION Hydrophytic Vegetation Present? Yes No Wetland Hydrology Present? Yes No Hydric Soils Present? Yes No S Is this Sampling Point Within a Wetland? Yes No Remarks: Atypical situation, soils, hydrology, and maybe vegetation, were altered. Because area was a depression and there were signs that waters flow into the area, it was
WETLAND DETERMINATION Hydrophytic Vegetation Present? Yes No Wetland Hydrology Present? Yes No Hydric Soils Present? Yes No Is this Sampling Point Within a Wetland? Yes No Remarks: Atypical situation, soils, hydrology, and maybe vegetation, were altered. Because area was a depression and there were signs that waters flow into the area, it was
WETLAND DETERMINATION Hydrophytic Vegetation Present? Yes No Wetland Hydrology Present? Yes No Hydric Soils Present? Yes No Is this Sampling Point Within a Wetland? Yes No Remarks: Atypical situation, soils, hydrology, and maybe vegetation, were altered. Because area was a depression and there were signs that waters flow into the area, it was
Hydrophytic Vegetation Present? Yes No Wetland Hydrology Present? Yes No Hydric Soils Present? Yes No Is this Sampling Point Within a Wetland? Yes No Remarks: Atypical situation, soils, hydrology, and maybe vegetation, were altered. Because area was a depression and there were signs that waters flow into the area, it was
Hydrophytic Vegetation Present? Yes No Wetland Hydrology Present? Yes No Hydric Soils Present? Yes No Is this Sampling Point Within a Wetland? Yes No Remarks: Atypical situation, soils, hydrology, and maybe vegetation, were altered. Because area was a depression and there were signs that waters flow into the area, it was
Hydrophytic Vegetation Present? Yes No Wetland Hydrology Present? Yes No Hydric Soils Present? Yes No Is this Sampling Point Within a Wetland? Yes No Remarks: Atypical situation, soils, hydrology, and maybe vegetation, were altered. Because area was a depression and there were signs that waters flow into the area, it was
Hydrophytic Vegetation Present? Yes No Wetland Hydrology Present? Yes No Hydric Soils Present? Yes No Is this Sampling Point Within a Wetland? Yes No Remarks: Atypical situation, soils, hydrology, and maybe vegetation, were altered. Because area was a depression and there were signs that waters flow into the area, it was
Hydrophytic Vegetation Present? Yes No Wetland Hydrology Present? Yes No Hydric Soils Present? Yes No Is this Sampling Point Within a Wetland? Yes No Remarks: Atypical situation, soils, hydrology, and maybe vegetation, were altered. Because area was a depression and there were signs that waters flow into the area, it was
Hydrophytic Vegetation Present? Yes No Wetland Hydrology Present? Yes No Hydric Soils Present? Yes No Is this Sampling Point Within a Wetland? Yes No Remarks: Atypical situation, soils, hydrology, and maybe vegetation, were altered. Because area was a depression and there were signs that waters flow into the area, it was
Hydrophytic Vegetation Present? Yes No Wetland Hydrology Present? Yes No Hydric Soils Present? Yes No Is this Sampling Point Within a Wetland? Yes No Remarks: Atypical situation, soils, hydrology, and maybe vegetation, were altered. Because area was a depression and there were signs that waters flow into the area, it was
Hydrophytic Vegetation Present? Yes No Wetland Hydrology Present? Yes No Hydric Soils Present? Yes No Is this Sampling Point Within a Wetland? Yes No Remarks: Atypical situation, soils, hydrology, and maybe vegetation, were altered. Because area was a depression and there were signs that waters flow into the area, it was
Hydrophytic Vegetation Present? Yes No Wetland Hydrology Present? Yes No Hydric Soils Present? Yes No Is this Sampling Point Within a Wetland? Yes No Remarks: Atypical situation, soils, hydrology, and maybe vegetation, were altered. Because area was a depression and there were signs that waters flow into the area, it was
Hydrophytic Vegetation Present? Yes No Wetland Hydrology Present? Yes No Hydric Soils Present? Yes No Is this Sampling Point Within a Wetland? Yes No Remarks: Atypical situation, soils, hydrology, and maybe vegetation, were altered. Because area was a depression and there were signs that waters flow into the area, it was
Hydrophytic Vegetation Present? Yes No Wetland Hydrology Present? Yes No Hydric Soils Present? Yes No Is this Sampling Point Within a Wetland? Yes No Remarks: Atypical situation, soils, hydrology, and maybe vegetation, were altered. Because area was a depression and there were signs that waters flow into the area, it was
Wetland Hydrology Present? Yes No Hydric Soils Present? Yes No Is this Sampling Point Within a Wetland? Yes No Remarks: Atypical situation, soils, hydrology, and maybe vegetation, were altered. Because area was a depression and there were signs that waters flow into the area, it was
Wetland Hydrology Present? Yes No
Hydric Soils Present? Yes No Is this Sampling Point Within a Wetland? Yes No Remarks: Atypical situation, soils, hydrology, and maybe vegetation, were altered. Because area was a depression and there were signs that waters flow into the area, it was
Hydric Soils Present? Yes No Is this Sampling Point Within a Wetland? Yes No Remarks: Atypical situation, soils, hydrology, and maybe vegetation, were altered. Because area was a depression and there were signs that waters flow into the area, it was
Hydric Soils Present? Yes No Is this Sampling Point Within a Wetland? Yes No Remarks: Atypical situation, soils, hydrology, and maybe vegetation, were altered. Because area was a depression and there were signs that waters flow into the area, it was
Remarks: Atypical situation, soils, hydrology, and maybe vegetation, were altered. Because area was a depression and there were signs that waters flow into the area, it was
Remarks: Atypical situation, soils, hydrology, and maybe vegetation, were altered. Because area was a depression and there were signs that waters flow into the area, it was
Because area was a depression and there were signs that waters flow into the area, it was
Because area was a depression and there were signs that waters flow into the area, it was
Because area was a depression and there were signs that waters flow into the area, it was
Because area was a depression and there were signs that waters flow into the area, it was
considered to be Non-wetland Waters of the U.S. (jurisdictional under ACOE CDEC and
■COURTGELEG TO DE MON-MECTANA MACETA OT CHE A'A' / INTERMITOTOTAL MIGGE MOON! CDEA! MIG
County).
councy,.

(1987 COE Wetlands Delineation Manual)

Project/Site: Applicant/Owner: Investigator:	Salvation Army Camp Viner: Salvation Army AHB, VAL				5/12/00 San Diego CA
Do normal circumstances exist on the site? ☐ Yes ☐ No				Community ID:	SWS
Is the site significantly disturbed (Atypical Situation)?		⊠ Yes	□ No	Transect ID:	DP8
Is the area a potential Problem Area?			⊠ No	Plot ID:	PP8
(If needed, explain on reverse.)					

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
l. Populus fremontii	S	FACW	9.		
2. Salix lucida ssp. lasiandra	S	OBL	10.		
3. Baccharis salicifolia	S	FACW	11.		
4. Bromus rubens	Н	NI	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percentage of Dominant Species that a	re OBL, FACW	or FAC (excl	uding FAC-). 75%		
Remarks: Southern Willow Sc	rub vegetat	ion	***		

Recorded Data (Described in Remarks):	Wetland Hydrology Indicators:		
☐ Stream, Lake, or Tide Gauge ☐ Aerial Photographs	Primary Indicators: Inundated		
☐ Other	☐ Saturated in Upper 12 inches		
☐ No Recorded Data Available	☐ Water Marks		
	☐ Drift Lines		
Field Observations:	☐ Sediment Deposits		
Depth of Surface Water: - (in.)	☐ Drainage Patterns in Wetlands		
Depth to free Water in Pit - (in.)	Secondary Indicators (2 or more required):		
Depth of Saturated Soil: (in.)	☐ Oxidized Root Channels in Upper 12 Inches		
	☐ Water-Stained Leaves		
	☐ Local Soil Survey Data		
	☐ FAC-Neutral Test		
	Other (Explain in Remarks)		
Remarks: Data Point is on the edge of a bas	in that appeared to have been filled.		

Map Unit Name									
(Series and Phase): Cieneba r sandy loam	ocky coars	se	Drainage	· Class: excessive	ly drained				
sandy roam				servations	Ty drained				
Taxonomy (Subgroup): Typic	Xerorthent				Yes ⊠ No				
Profile Description:									
	atrix Color	Mottle (Colors	Mottle					
	nsell Moist)	(Munsell		(Abundance/Contrast)	Texture, Concretions, Structure, etc.				
0-12	OYR 3/2	5 YR	5/6	faint, few, medium	sandy loam				
				ined 2 din					
									
Hydric Soil Indicators:									
Histosol									
WETLAND DETERMINA		No.							
Hydrophytic Vegetation Present?	i es 🔼	No L	1						
Wetland Hydrology Present?	Yes 🛚	No 🗀]						
Hydric Soils Present? Yes No No Is this Sampling Point Within a Wetland? Yes No									
Remarks: Atypical situation, soils were altered. Southern Willow Scrub vegetation (jurisdictional under ACOE, CDFG, and County).									

(1987 COE Wetlands Delineation Manual)

Project/Site: Applicant/Owner: Investigator:	Salvation Army Camp Salvation Army KLI, VAL, AHB	Date: County: State:	5/12/00 San Diego CA		
Do normal circumst	tances exist on the site? atly disturbed (Atypical Situation)? al Problem Area?	⊠ Yes □ Yes □ Yes	□ No ⊠ No ⊠ No	Community ID: Transect ID: Plot ID:	SWS DP9 PP9

VEGETATION

·		
·		
AC-). 100%		
	'AC-). 100%	'AC-). 100%

 ☐ Recorded Data (Described in Remarks): ☐ Stream, Lake, or Tide Gauge ☐ Aerial Photographs ☐ Other ☐ No Recorded Data Available 	Wetland Hydrology Indicators: Primary Indicators: Inundated Saturated in Upper 12 inches Water Marks Drift Lines
Field Observations: Depth of Surface Water: Depth to free Water in Pit Depth of Saturated Soil: - (in.) (in.)	Sediment Deposits Drainage Patterns in Wetlands Secondary Indicators (2 or more required): Oxidized Root Channels in Upper 12 Inches Water-Stained Leaves Local Soil Survey Data FAC-Neutral Test Other (Explain in Remarks)
Remarks: Drainage patterns present.	

Map Unit Name		_								
(Series and Pha	se): Cieneba	rocky co	arse	ъ.	CI.					
sandy loam Drainage Class: excessively drained										
					Observations					
Taxonomy (Subgroup): Typic Xerorthents										
Profile Descript	tion:									
Depth	<u> </u>	Matrix Colo	r Mot	tle Color	s Mottle					
	IIi	Munsell Moi		sell Mois		Texture, Concretions	Structure etc			
(inches)	Horizon (/	loam				
0-12	1	10YR 3/1	. 10	YR 6/6	faint, many,	Ioaii	·			
					coarse					
	<u> </u>	- .								
Hydric Soil Ind	licators:									
☐ Histo	sol			Conci	etions					
	c Epipedon			High	Organic Content in surface la	ver in Sandy Soils				
	dic Odor		Ē		ic Streaking in Sandy Soils	, ·- ·				
		•	F		on Local Hydric Soils List					
	c Moisture Reg		L			-4	i			
	icing Condition		Ē		on National Hydric Soils Lis	St				
☐ ☐ Gley	ed or Low-Chro	oma Colors	L		(Explain in Remarks)					
i i										
Remarks: Lo	w chroma s	oil with	mottles							
Romand. Be	W CIII Ollia B	OII WICH	MOCCECD	•						
<u>L</u>										
WETLAND	DETERMIN	NATION								
			N							
Hydrophytic V	egetation Prese	nt? Yes	⊠ No				'			
Wetland Hydro	ology Present?	Yes	⊠ No							
	6, 11-			_						
Hydric Soils Pi	recent?	Yes	No No	I Ic	this Sampling Point Within a	Wetland? Yes	No 🗌			
I Trydiac Solis Pi	Coent:	1 68	⊼Zi 140	<u>ا ا ا</u>	am samping I out within a	· · · · · · · · · · · · · · · · · · ·	, .10 <u>L</u>			
 					1 1 200 000	3 0				
Remarks: Sou	ıthern Will	ow Scrub	(jurisd:	ictiona	al under ACOE, CDFG,	and County).				
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II .										
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(1987 COE Wetlands Delineation Manual)

Project/Site: Applicant/Owner:	Salvation Army Camp Salvation Army			Date: County:	12/13/00 San Diego
Investigator:	VAL, KAA		State:	CA	
		⊠ Yes □ Yes □ Yes	□ No ⊠ No ⊠ No	Community ID: Transect ID: Plot ID:	CLORF (CDFG only) DP10 PP10

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Platanus racemosa	Т	FACW	9.		
2. Quercus agrifolia	T	NI	10.		
3. Artemisia douglasiana	H	FACW	11.		
4. Rubus ursinus	Н	FACW	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percentage of Dominant Species that ar	e OBL, FACW	or FAC (exclu	ıding FAC-). 75%		
Remarks: Southern Coast Live	Oak Ripar	ian Forest	vegetation.		:

□ Recorded Data (Described in Remarks):	Wetland Hydrology Indicators:			
Stream, Lake, or Tide Gauge	Primary Indicators:			
Aerial Photographs	☐ Inundated			
☐ Other	☐ Saturated in Upper 12 inches			
☐ No Recorded Data Available	☐ Water Marks			
	☐ Drift Lines			
Field Observations:	☐ Sediment Deposits			
Depth of Surface Water: (in.)	☐ Drainage Patterns in Wetlands			
Depth to free Water in Pit - (in.)	Secondary Indicators (2 or more required):			
Depth of Saturated Soil: - (in.)	Oxidized Root Channels in Upper 12 Inches			
- · · · · · · · · · · · · · · · · · · ·	☐ Water-Stained Leaves			
	☐ Local Soil Survey Data			
	☐ FAC-Neutral Test			
	☐ Other (Explain in Remarks)			
Remarks: Insufficient hydrology indicators of	outside of bank.			
<u> La caracteria de la c</u>				

			=						
Map Unit Name									
		a sandy loa	am	Dr	rainage Class: Modera	ately well	l drained	<i>'</i> '	
(~	50)	_			eld Observations]'	
Taxonomy (Sul	horoun): Pac'	hic Haploxe	arolls		onfirm Mapped Type?	☐ Yes 🏻	⊠ No	J'	
I anomonia (/group, -	110 110	<u> </u>		IIIIIII IIIIII IIIIIIIIIIIIIIIIIIIIIII	<u></u>	<u> </u>		
Profile Descript	tion.							J'	
	<u>1011.</u>	Matrix Color	M	lottle Col	lors Mottle			J'	
Depth (inches)	IT-wisson					· Taytı	Concretions Structure	240	
(inches)	Horizon	(Munsell Mois	t) (Ivi	unsell Mone		1St) 15xiu	ure, Concretions, Structure,	, eic.	
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						tin Sa	1 0.11	,	
	ic Epipedon				gh Organic Content in surface		andy Soils	7	
11	idic Odor	*			ganic Streaking in Sandy So			,	
	ic Moisture Re				sted on Local Hydric Soils L			7	
	ucing Conditio				sted on National Hydric Soil	is List		7	
☐ Gley	ed or Low-Ch	ıroma Colors		☐ Oth	her (Explain in Remarks)			,	
d					· · · · <u> </u>			!	
Remarks: No	hvdric s	soil indicat	tors.						
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WETLAND	DETERM	INATION							
									
Hydrophytic V	egetation Pres	sent? Yes	No No						
d									
Wetland Hydro	ology Present?	? Yes [☐ No	\boxtimes					
A The state of the	2-25		_						
Hydric Soils Pr	recent?	Yes [☐ No	\boxtimes	Is this Sampling Point With	hin a Wetland	d? Yes ☐ No 🏻	\boxtimes	
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Mectania.									
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(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army Camp	<u>.</u> .		Date:	12/13/00
Applicant/Owner:	Salvation Army			County:	San Diego
Investigator:	VAL, KAA	State:	CA		
Do normal circumst	tances exist on the site?		□ No	Community ID:	CLORF (CDFG only)
Is the site significan	ntly disturbed (Atypical Situation)?	☐ Yes	⊠ No	Transect ID:	DP11
Is the area a potenti	al Problem Area?	☐ Yes	⊠ No	Plot ID:	PP11
(If needed, expla	in on reverse.)				

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Platanus racemosa	Т	FACW	9.		
2. Quercus agrifolia	Т	NI	10.		
3. Rumex crispus	H	FACW	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percentage of Dominant Species that	are OBL, FACW	or FAC (excl	uding FAC-). 66%		

Remarks: Little vegetation in drainage; however, Platanus racemosa and Quercus agrifolia trees are rooted in channel. Southern Coast Live Oak Riparian Forest vegetation.

 ☐ Recorded Data (Described in Remarks): ☐ Stream, Lake, or Tide Gauge ☐ Aerial Photographs ☐ Other ☐ No Recorded Data Available 	Wetland Hydrology Indicators: Primary Indicators: Inundated Saturated in Upper 12 inches Water Marks Drift Lines
Field Observations: Depth of Surface Water: Depth to free Water in Pit Depth of Saturated Soil: (in.) (in.)	☐ Sediment Deposits ☐ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: Drainage patterns present.	

Map Unit Name (Series and Phas		a sandy lo	oam	<u> </u>	D	rainage	e Class: Mod	deratel	y well drai	.ned		
(Borros and 2	<i>(</i>). <i>(</i> = = = ::	X D 3					oservations					_][
Taxonomy (Sub	Taxonomy (Subgroup): Pachic Haploxerolls Confirm Mapped Type? Yes No											
Profile Descripti	.i <u>on:</u>											1
Depth		Matrix Color	ır		ttle Col		Mottle					1
(inches)	Horizon	(Munsell Mois	st)	(Mur	nsell M	loist)_	(Abundance/Co	ontrast)	Texture, Con-		Structu	re, etc.
0-16		7.5YR 3/3			none		none			Sand		
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Hydric Soil Indi				Γ	¬ cc	oncretio	ano.					Ī
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	c Epipedon dic Odor			_ _			Streaking in Sand		/Եւ пւ թաւայ օշ.	15		l
		·		F			Streaking in Sand Local Hydric So		-			
	c Moisture Reg			<u>г</u>					.			1
	cing Condition			_			National Hydric		t			l l
☐ Gleye	ed or Low-Chr	coma Colors		L	Otl	her (Ex	xplain in Remark	is)				1
Remarks: No	hydric so	oil indic ϵ	ator	s.								•
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WETLAND I	DETERMI	NATION										
			\boxtimes	No								
Hydrophytic Ve	agetation rics	sent? Yes		No	L-1	(İ
	. D xm40		∇	* I.a		í						
Wetland Hydro	logy Present:	Yes	\boxtimes	No	$ \Box$ $)$	1						
1	•	**		~ 7	K7	1.	C ! Dain	extra to a	**** 1 10 Va		N.T.	∇
Hydric Soils Pro	esent?	Yes	Ш	No	\boxtimes	ls this	s Sampling Point	: Within a	Wetland? Ye	s 🗀	No	\boxtimes
í <u> </u>												
Remarks: Sou	thern Coar	st Live Oa	ak R	.ipar:	ian F	Fores	st (jurisdic	tional	under CDFG	as we	tland	is and
Adjacent R.	iparian ar	nd limits	of J	nydro	phyt	iic v	regetation as	re juri	isdictionar	under	Cour	ıty
RPO). Also	o presence	e of Non-w	/et1/	and W	Nater	s or	the U.S.					
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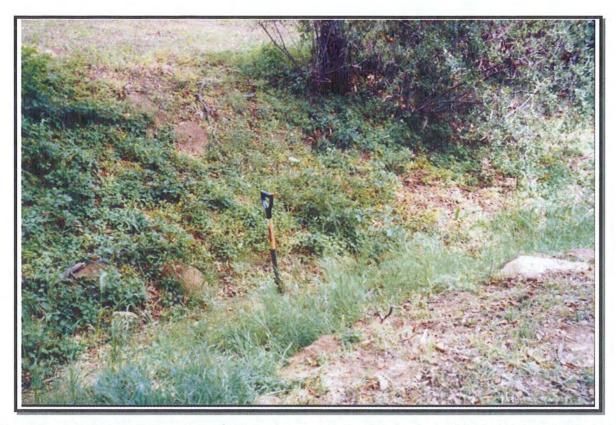


Photo Point 1. Data Point 1 located in CDFG jurisdictional southern coast live oak riparian forest and ACOE jurisdictional non-wetland waters of the U.S.

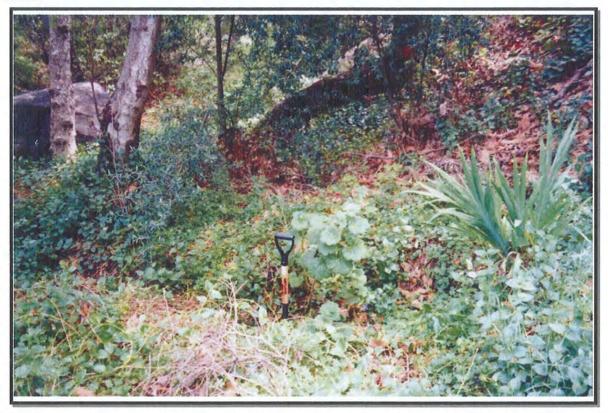


Photo Point 2. Data Point 2 located in CDFG jurisdictional southern coast live oak riparian forest and ACOE jurisdictional non-wetland waters of the U.S.



Photo Point 3. Data Point 3 located in non-wetland waters of the U.S.



Photo Point 4. Data Point 4 located in CDFG jurisdictional southern coast live oak riparian forest and ACOE jurisdictional non-wetland waters of the U.S.



Photo Point 5. Data Point 5 located in non-wetland waters of the U.S.



Photo Point 6. Data Point 6 located in emergent wetland vegetation.



Photo Point 7. Data Point 7 located in non-wetland waters of the U.S.-atypical situation.

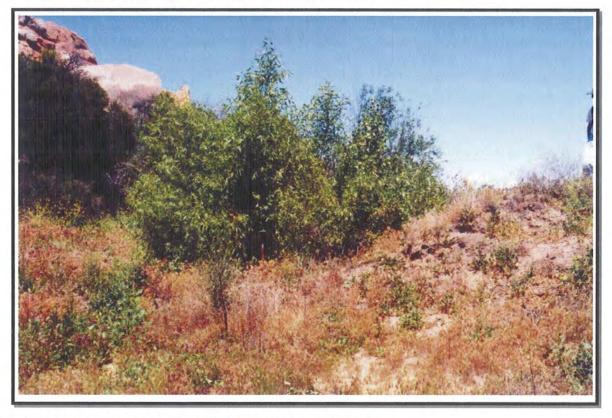


Photo Point 8. Data Point 8 located in southern willow scrub vegetation-atypical situation.

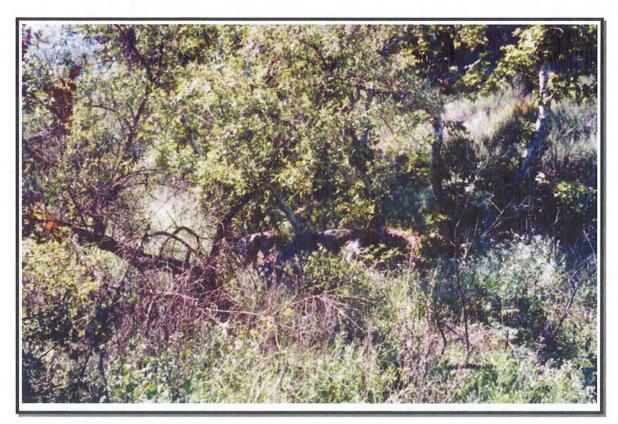


Photo Point 9. Data Point 9 located in southern willow scrub vegetation.

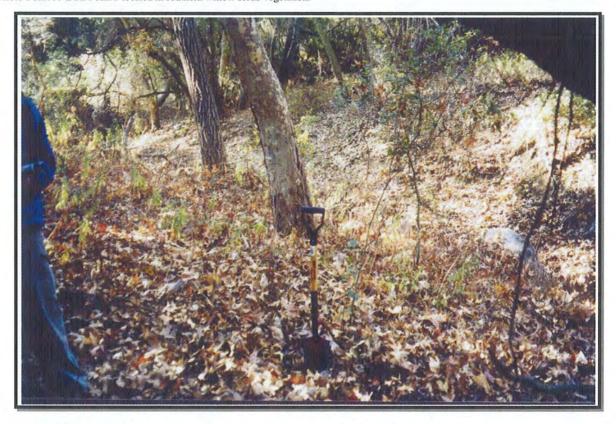


Photo Point 10. Data Point 10 located above a drainage in southern coast live oak riparian forest vegetation.



Photo Point 11. Data Point 11 located in a drainage beneath southern coast live oak riparian forest vegetation.



Photo Point 12. View of impacted non-wetland waters of the U.S. Portions of two drainages were filled. Area is located just south of Data Point 3.

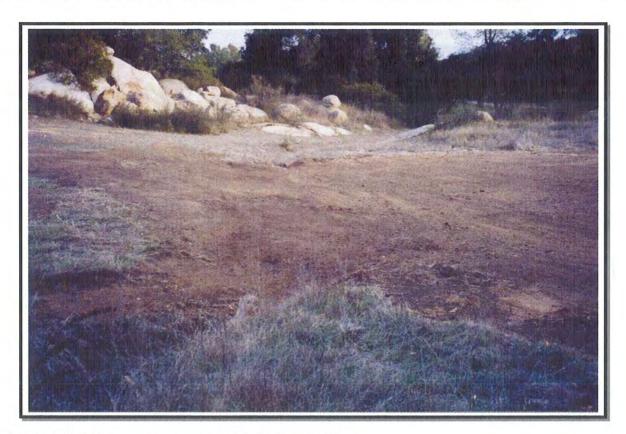


Photo Point 13. Another view of the impacted non-wetland waters of the U.S.



Photo Point 14. The drainage has been filled beneath the southern coast live oak riparian forest. No wetland vegetation appears to have been impacted. The excavated tree shown here is a mission olive tree (*Olea europea*), which is not a wetland-associated species.

M&A	#	99-	05	1-2	2

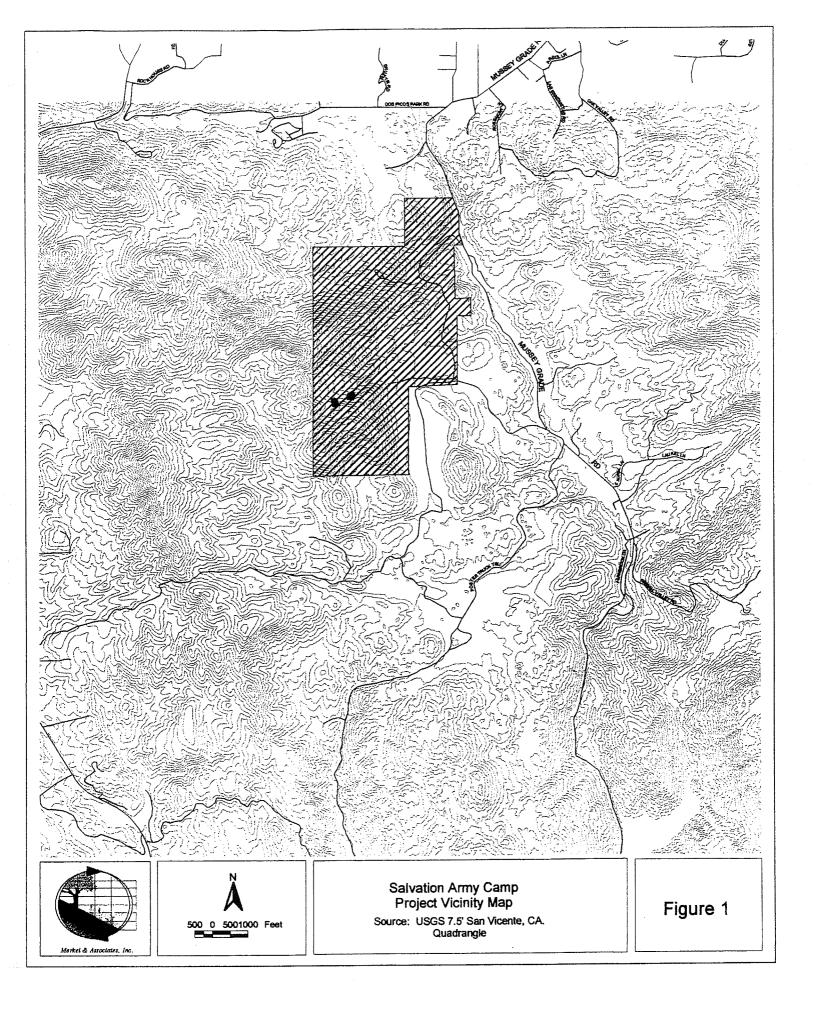
Appendix 7

California Natural Diversity Database Forms

California Native Species Field Survey Form

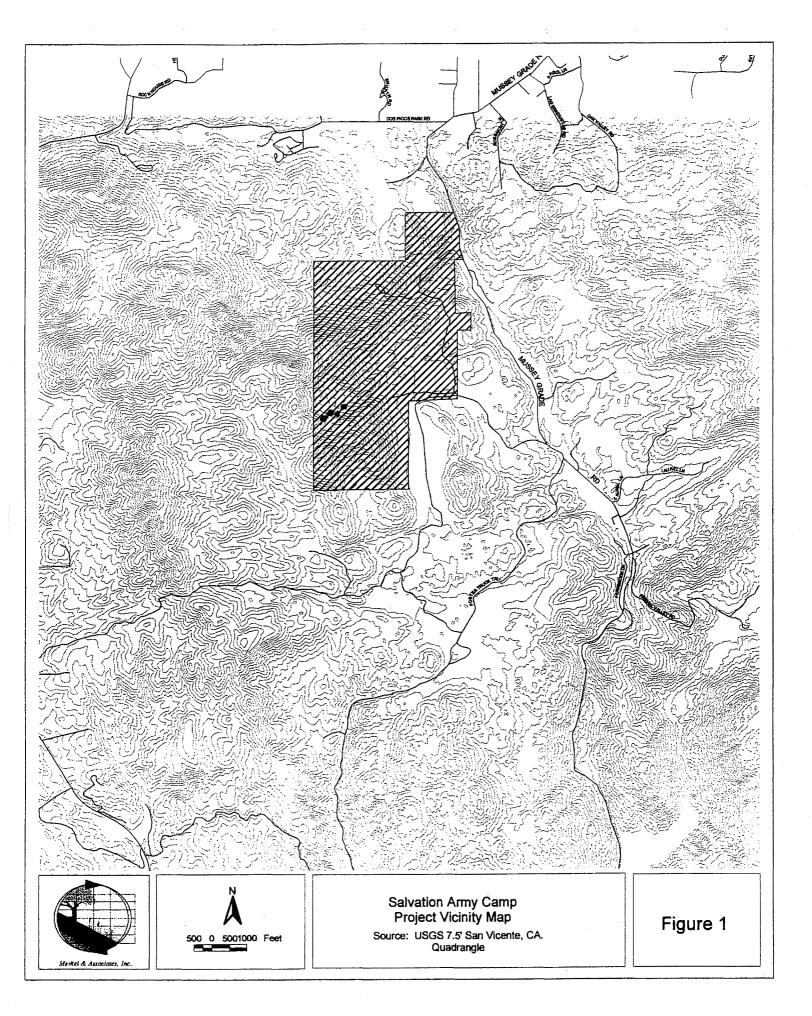
Mail to: Natural Diversity Database For Office Use Only California Department of Fish and Game Source Code _____ Quad Code _____ 1416 Ninth Street, 12th Floor Sacramento, CA 95814 Elm Code _____ Occ. No. ____ Date of Field Work: 5 - 12 - 2000 EO Index No._____ Map Index No.____ Scientific Name: Sevecio ganderi common Name: bandur & raquart Address: 1944 Murphy Canyon Road 「otal No. Individuals _____ Subsequent Visit? ☐yes ☐no າ this an existing NDDB occurrence? _____ □no □unk. N∂ Suite CLOO San Diego ollection? If yes: Phone: (858) <u>560-5465</u> Number Museum / Herbarium Plant Information Animal Information Age Structure: % vegetative % flowering % fruiting # adults # juveniles # unknown henology: ocation (please also attach or draw map on back) ounty: San Orego Landowner/Mgr.: Salvation Hrmy
luad Name: San Junte Elevation: 145 R 1 W 1/4 of NW 1/4 of section R 1/4 of 1/4 of section TM: Zone: ______(10, 11) Datum: NAD83 (NAD83,NAD27,WG584, other) ource: _____(GPS, map & type, etc.) GPS Accuracy Point: (circle one) □<80m □<150m □<300m JTM Coordinates Habitat Description (plant communities, dominants, associates, substrates/soils, aspects/slope) mixed Chagarral with meta volcanic substrate. Dominants Michael Ceanothus tomantosus, Coliganthus, Adenostoma fasciculatum other rare species? Horkelin truncata, Monardella hypoheura SSP lanata □Fair **⊠**Good Site Information Overall site quality: Excellent isible disturbances / possible threats: Along enstry trail jomments: Found in Shrub understong Netermination: (check one or more, and lill in blanks)

Keyed (cite reference): Photographs: (check one or more) Slide Print Plant / animal Compared with specimen housed at: _ Habitat Compared with photo / drawing in: ... Diagnostic feature _ By another person (name):_ May we obtain duplicates at our expense? yes Other: .

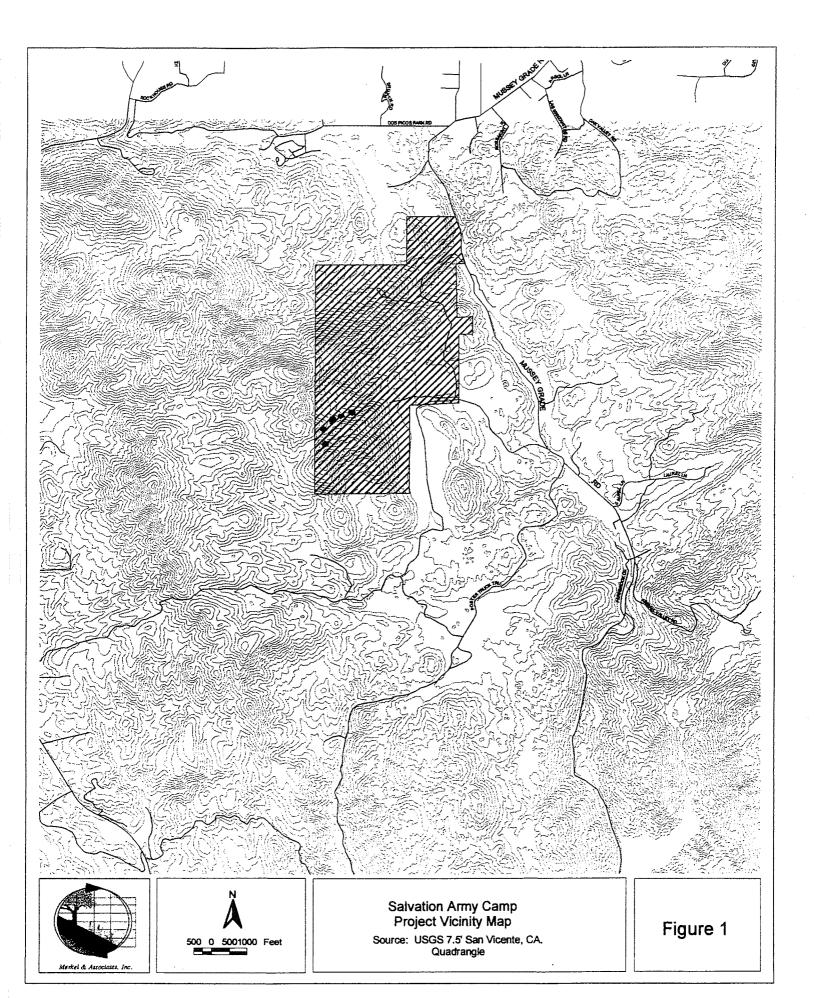


Mail to: Natural Diversity Database For Office Use Only California Department of Fish and Game Source Code _____ Quad Code _____ 1416 Ninth Street, 12th Floor Sacramento, CA 95814 Elm Code _____ Occ. No. _____ EO Index No.____ Map Index No. ____ Date of Field Work: 5 - 12 Scientific Name: ニーロップレジャル・・チャッペー。 だこ Burney Harrelin Reporter: Kyle Ince / Merild & a SGOL Address: 3944 Murphy Canyon Road Suite C106 San Diego, 64 92123 Fotal No. Individuals ∼100 Subsequent Visit? □yes ⊠no ; this an existing NDDB occurrence? $\frac{N0}{\text{Yes, Occ.}}$ Ino Inc. ມາ Jollection? If yes: Phone: (858) 540-5465 Museum / Herbarium Plant Information Animal Information Age Structure: # adults # juveniles # unknown henology: % vegetative % flowering % fruiting ocation (please also attach or draw map on back) ounty: San Diego Landowner/Mgr.: Salvation Army Juad Name: San Vicinte Elevation: 2, Γ 145 R 1 1 1/4 of NW 1/4 of Section 12 T R 1/4 of 1/4 of Section 1 TM: Zone: ______(NAD83,NAD27,WG584, other) jource: _____(GPS, map & type, etc.) GPS Accuracy Point: (circle one) □<80m □<150m □<300m 'TM Coordinates_____ Habitat Description (plant communities, dominants, associates, substrates/soils, aspects/slope) & Mixed Chaparral with meta volcanic substrate Dominants include Ceanothus tomentosus, Cookgasthus, adamostoma fascialatum 1ther rare species? - Sencio ganderi, monardella hypoteuca sep. lanata ⊠Good □Fair □Poor Site Information Overall site quality:

Excellent jurrent / surrounding land use: - undereloped 'isible disturbances / possible threats: - Plong existing trail Found in shrub understory and within trail Slide Print Photographs: (check one or more) Petermination: (check one or more, and fill in blanks) Keyed (cite reference): 👤 💆 Plant / animal Compared with specimen housed at: — Habitat Diagnostic feature Compared with photo / drawing in: ___ By another person (name):___ May we obtain duplicates at our expense? Tyes Ino Other: __

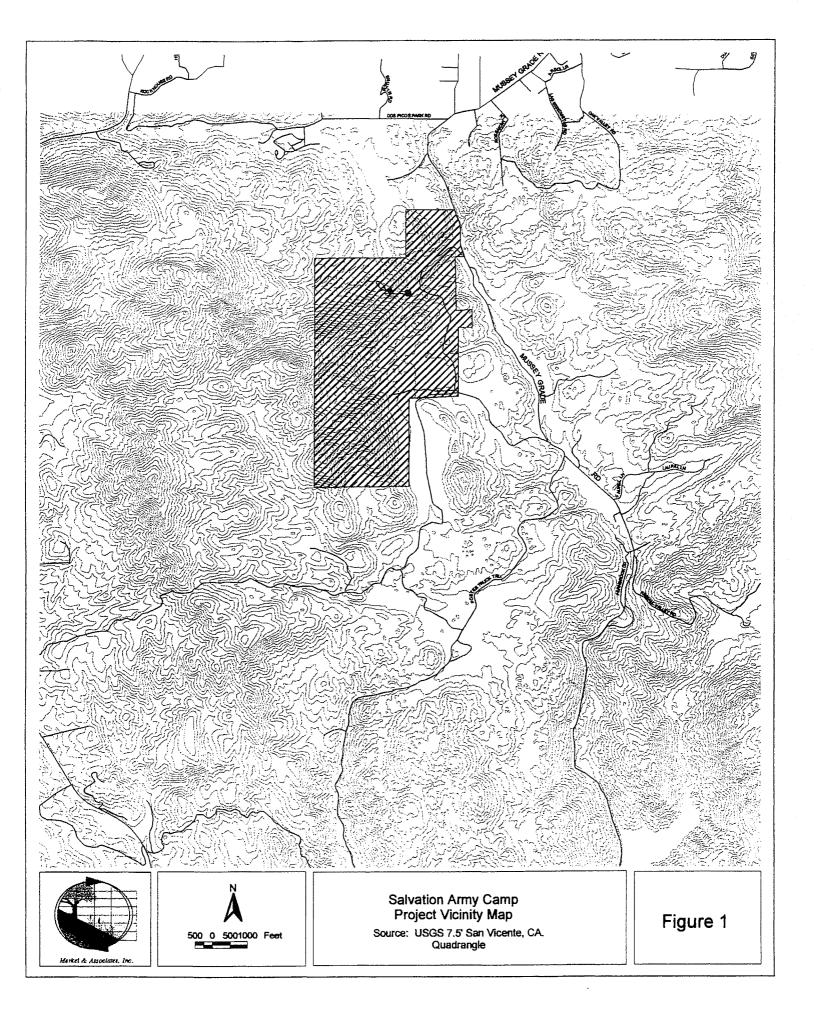


Mail to: Natural Diversity Database For Office Use Only California Department of Fish and Game Source Code _____ Quad Code _____ 1416 Ninth Street, 12th Floor Sacramento, CA 95814 Elm Code _____ Occ. No. _____ EO Index No._____ Map Index No. ____ Date of Field Work: 5 Scientific Name: Money dalla higher text 530 tomata common Name: Felt-leaved Monardella. pecies Found? 🔼 🔲 _______ If not, why? otal No. Individuals <u>75</u> Subsequent Visit? □yes ⊠no s this an existing NDDB occurrence? ollection? If yes: Phone: (858) _560-546 Museum / Herbarium Plant Information Animal Information Age Structure: 100 # adults # juveniles henology: # unknown % vegetative % flowering % fruiting ocation (please also attach or draw map on back) ounty: San Diego Landowner/Mgr.: Salvation Army
luad Name: Sch Vicente Elevat 145 R 1 W 1/4 of NN 1/4 of Section 7 T R 1/4 of ____ 1/4 of Section ___ TM: Zone: ______ (10, 11) Datum: _____ NAD 83 ____ (NAD83,NAD27,WG584, other) ource: _____(GPS, map & type, etc.) GPS Accuracy Point: (circle one) □<80m □<150m □<300m JTM Coordinates_____
 Habitat Description
 (plant communities, dominants, associates, substrates/soils, aspects/slope)
 Mixed Chaparral with metavolcanic substitute. Cranthus tomentosons, C. Oliganthus, Admostum Fascientad ther rare species? Senecio ganderi, Horkelia truncatu ∏Fair Site Information Overall site quality: Dexcellent □Poor Jurrent / surrounding land use: and welcoped 'isible disturbances / possible threats: Aling existing trail found in should unders tony Jomments: Print etermination: (check one or more, and fill in blanks) Photographs: (check one or more) Plant / animal Compared with specimen housed at: ... Habitat Diagnostic feature Compared with photo / drawing in: ___ By another person (name):___ May we obtain duplicates at our expense? yes no Other: _



Mail to: Natural Diversity Database For Office Use Only California Department of Fish and Game Source Code _____ Quad Code _____ 1416 Ninth Street, 12th Floor Sacramento, CA 95814 Elm Code _____ Occ. No. _____ Date of Field Work: 04 -21 - 1999 EO Index No. _____ Map Index No. Scientific Name: Phundsona com atom Deing He an Diepo Horned Lizard common Name: pecies Found? 🖳 If not, why? otal No. Individuals _____ Subsequent Visit? 🖳 🗀 yes 🗌 no 5 this an existing NDDB occurrence? Yes, Occ. # ollection? If yes: Phone: (258) 560-5465 Number Museum / Herbarium Plant Information Animal Information Age Structure: # juveniles henology: % vegetative % flowering % fruiting ocation (please also attach or draw map on back) Landowner/Mgr.: Salvation Armu Juad Name: San Vicente 145R 1 W 1/4 of N W 1/4 of Section 12 T R 1/4 of 1/4 of Section TM: Zone: __________(10, 11) Datum: _______ (NAD83,NAD27,WG584, other) ource: _____(GPS, map & type, etc.) GPS Accuracy Point: (circle one) □<80m □<150m □<300m JTM Coordinates_____
 Habitat Description
 (plant communities, dominants, associates, substrates/soils, aspects/s/ope)
 Southern Mixed Chapanal and Southern Coast Live Oak Riparian Forest with openings resulting from a trail/foot ther rare species? Good Site Information Overall site quality: Dexcellent current/surrounding land use: Undeveloped + Agriculture (intensive) 'isible disturbances / possible threats: existing trait, (proposed for forther development) omments: Photographs: (check one or more) Print etermination: (check one or more, and fill in blanks) L Keyed (cite reference): Plant / animal Compared with specimen housed at: _ Habitat Diagnostic feature Compared with photo / drawing in: _ By another person (name): May we obtain duplicates at our expense? ☐yes ☐no

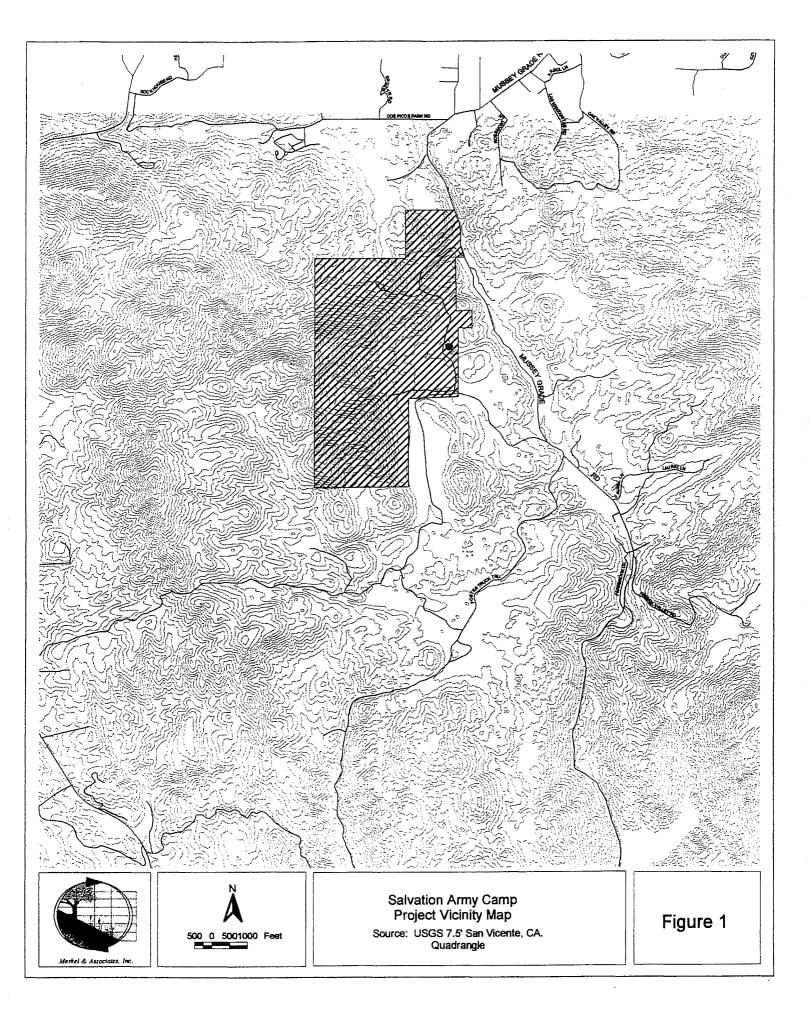
Other: VISUA



Mail to: Natural Diversity Database For Office Use Only California Department of Fish and Game Source Code _____ Quad Code _____ 1416 Ninth Street, 12th Floor Sacramento, CA 95814 Elm Code _____ Occ. No. _____ EO Index No._____ Map Index No. _____ Date of Field Work: _ 05 - 25 - 1999 Scientific Name: Common Name: Species Found? Reporter: Melissa Bonker If not, why? ĭotal No. Individuals _____\ Subsequent Visit? ☑yes ☐no 's this an existing NDDB occurrence? ______Yes, Occ. # Collection? If yes: Museum / Herbarium Number Plant Information Animal Information Age Structure: # iuveniles # unknown `henology: % vegetative % flowering % fruiting ocation (please also attach or draw map on back) County: San Diego Landowner/Mgr.: Salvation Army ruad Name: San Vicente Γ 14S R 1 W 1/4 of N W 1/4 of Section 12 T R 1/4 of 1/4 of Section JTM: Zone: _____(10, 11) Datum: _______(NAD83,NAD27,WG584, other) Jource: _____(GPS, map & type, etc.) GPS Accuracy Point: (circle one) □<80m □<150m □<300m JTM Coordinates Habitat Description (plant communities, dominants, associates, substrates/soils, aspects/slope) Southern Coast Live Oak Riparian Woodland)ther rare species? Site Information Overall site quality:

□Excellent **☑**Good ∏Fair □Poor jurrent/surrounding land use: undeveloped + particular developed for Campsite 'isible disturbances / possible threats: perding development Jomments: nest previously recorded here, likely breeding howsitant Photographs: (check one or more) Print letermination: (check one or more, and fill in blanks) 🔲 Keyed (cite reference): 🗀 Plant / animal Compared with specimen housed at: _ Habitat Diagnostic feature Compared with photo / drawing in: _ By another person (name):. May we obtain duplicates at our expense? ☐yes ☐no

Other: VISUAL



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CalEPPC List of Exotic Pest Plants of Greatest Ecological Concern

The CalEPPC List:

Exotic Pest Plantsof Greatest EcologicalConcern in California

October, 1999

The CalEPPC list is based on information submitted by our members and by land managers, botanists and researchers throughout the state, and on published sources. The list highlights non-native plants that are serious problems **in wildlands** (natural areas that support native ecosystems, including national, state and local parks, ecological reserves, wildlife areas, national forests, BLM lands, etc.).

List categories include:

List A: Most Invasive Wildland Pest Plants; documented as aggressive invaders that displace natives and disrupt natural habitats. Includes two sub-lists; List A-1: Widespread pests that are invasive in more than 3 Jepson regions (see page 3), and List A-2: Regional pests invasive in 3 or fewer Jepson regions.

List B: Wildland Pest Plants of Lesser Invasiveness; invasive pest plants that spread less rapidly and cause a lesser degree of habitat disruption; may be widespread or regional.

Red Alert: Pest plants with potential to spread explosively; infestations currently small or localized. If found, alert CalEPPC, County Agricultural Commissioner or California Department of Food and Agriculture.

Need More Information: Plants for which current information does not adequately describe nature of threat to wildlands, distribution or invasiveness. Further information is requested from knowledgeable observers.

Annual Grasses: New in this edition; a preliminary list of annual grasses, abundant and widespread in California, that pose significant threats to wildlands. Information is requested to support further definition of this category in next List edition.

Considered But Not Listed: Plants that, after review of status, do not appear to pose a significant threat to wildlands.

Plants that fall into the following categories are not included in the List:

- Plants found mainly or solely in disturbed areas, such as roadsides and agricultural fields.
- Plants that are established only sparingly, with minimal impact on natural habitats.



1999 List Review Committee:

Dr. Lars W.J. Anderson, Research Leader U.S. Dept.of Agricultur e-ARS Aquatic Weed Research Lab.

Dr. Joe DiTomaso, Extension Weed Ecologist

Weed Science Program
Department of Vegetable Crops
University of California, Davis

Dr. G. Fred Hrusa, Senior Plant Systematist

Plant Pest Diagnostics Center California Department of Food & Agriculture

Dr. Marcel Rejmánek, Professor of Plant Ecology

Section of Evolution and Ecology University of California, Davis

CalEPPC List Committee:

Ann Howald, Instructor Santa Rosa Junior College

Dr. John Randall, Invasive Weed Specialist The Nature Conservancy

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The CalEPPC list is updated regularly. Please use the form provided to send comments, suggestions or new information to: Peter Warner, 555 Magnolia Avenue, Petaluma, CA, 94952-2080, or via email at peterjwarner@earthlink.net

Thanks to all those who submitted comments for the 1999 list.

The California Exotic Pest Plant Council

List A-1: Most Invasive Wildland Pest Plants; Widespread

Latin Name ¹	Common Name	Habitats of Concern and Other Comments	Distribution ²
Ammophila arenaria	European beach grass	Coastal dunes	SCo,CCo,NCo
Arundo donax	giant reed, arundo	Riparian areas	cSNF,CCo,SCo,SnGb,D,GV
Bromus tectorum	cheat grass, downy brome	Sagebrush, pinyon-juniper, other desert communities; increases fire frequency	GB,D
Carpobrotus edulis	iceplant, sea fig	Many coastal communities, esp. dunes	SCo,CCo,NCo,SnFrB
Centaurea solstitialis ^C	yellow starthistle	Grasslands	CA-FP (uncommon in SoCal)
Cortaderia jubata	Andean pampas grass, jubatagrass	Horticultural; many coastal habitats, esp. disturbed or exposed sites incl. logged areas	NCo,NCoRO,SnFrB, CCo,WTR,SCo
Cortaderia selloana	pampas grass	Horticultural; coastal dunes, coastal scrub, Monterey pine forest, riparian, grasslands; wetlands in ScV ; also on serpentine	SnFrB,SCo,CCo,ScV
Cynara cardunculus ^B	artichoke thistle	Coastal grasslands	CA-FP, esp. CCo,SCo
Cytisus scoparius ^C	Scotch broom	Horticultural; coastal scrub, oak woodlands, Sierra foothills	NW,CaRF,SNF,GV, SCo,CW
Eucalyptus globulus	Tasmanian blue gum	Riparian areas, grasslands, moist slopes	NCoRO,GV,SnFrB, CCo,SCoRO,SCo,nChI
Foeniculum vulgare	wild fennel	Grasslands; esp. SoCal, Channel Is.; the cultivated garden herb is not invasive	CA-FP
Genista monspessulana ^c	French broom	Horticultural; coastal scrub, oak woodlands, grasslands	NCoRO,NCoRI,SnFrB, CCo,SCoRO,sChI,WTR,PR
Lepidium latifolium ^B	perennial pepperweed, tall whitetop	Coastal, inland marshes, riparian areas, wetlands, grasslands; potential to invade montane wetlands	CA (except KR,D)
Myriophyllum spicatum	Eurasian watermilfoil	Horticultural; lakes, ponds, streams, aquaculture	SnFrB,SnJV,SNH(?); prob. CA
Pennisetum setaceum	fountain grass	Horticultural; grasslands, dunes, desert canyons; roadsides	Deltaic GV,CCo,SCo, SnFrB
Rubus discolor	Himalayan blackberry	Riparian areas, marshes, oak woodlands	CA-FP
Senecio mikanioides (=Delairea odorata)	Cape ivy, German ivy	Coastal, riparian areas, also SoCal (south side San Gabriel Mtns.)	SCo,CCo,NCo,SnFrB,SW
Taeniatherum caput-medusae ^C	medusa-head	Grasslands, particularly alkaline and poorly drained areas	NCoR,CaR,SNF,GV,SCo
Tamarix chinensis, T. gallica, T. parviflora & T. ramosissima	tamarisk, salt cedar	Desert washes, riparian areas, seeps and springs	SCo,D,SnFrB,GV,sNCoR, sSNF,Teh,SCoRI,SNE, WTR
Ulex europaeus ^B	gorse	North, central coastal scrub, grasslands	NCo,NCoRO,CaRF, n&cSNF,SnFrB,CCo

¹Noxious Weed Ratings

- F: Federal Noxious Weed, as designated by the USDA; targeted for federally-funded prevention, eradication or containment efforts.
- A: CA Dept. of Food & Agriculture, on "A" list of Noxious Weeds; agency policies call for eradication, containment or entry refusal.
- B: CA Dept. of Food & Agriculture, on "B" list of Noxious Weeds; includes species that are more widespread, and therefore more difficult to contain; agency allows county Agricultural Commissioners to decide if local eradication or containment is warranted.
- C: CA Dept. of Food & Agriculture, on "C" list of Noxious Weeds; includes weeds that are so widespread that the agency does not endorse state or county-funded eradication or containment efforts except in nurseries or seed lots.
- Q: CA Dept. of Food & Agriculture's designation for temporary "A" rating pending determination of a permanent rating.

For most species nomenclature follows The Jepson Manual: Higher Plants of California (Hickman, J., Ed., 1993).

Exotic Pest Plants of Greatest Ecological Concern in California

List A-2: Most Invasive Wildland Pest Plants; Regional

Latin Name ¹	Common Name	Habitats of Concern and Other Comments	Distribution ²
Ailanthus altissima	tree of heaven	Riparian areas, grasslands, oak woodlands, esp. GV, SCo	CA-FP
Atriplex semibaccata	Australian saltbush	SoCal, coastal grasslands, scrub, "high marsh" of coastal salt marshes	CA (except CaR,c&sSN)
Brassica tournefortii	Moroccan or African mustard	Washes, alkaline flats, disturbed areas in Sonoran Desert	SW,D
Bromus madritensis ssp. rubens	red brome	Widespread; contributing to SoCal scrub, desert scrub type conversions; increases fire frequency	CA
Cardaria draba ^B	white-top, hoary cress	Riparian areas, marshes of central coast; also ag. lands, disturbed areas	Problem only in CCo
Conicosia pugioniformis	narrow-leaved iceplant, roundleaf iceplant	Coastal dunes, sandy soils near coast; best documented in San Luis Obispo and Santa Barbara cos.	CCo
Cotoneaster pannosus, C. lacteus	cotoneaster	Horticultural; many coastal communities; esp. North Coast, Big Sur; related species also invasive	CCo,SnFrB,NW
Cytisus striatus	striated broom	Often confused with C. scoparius; coastal scrub, grassland	SnFrB,CCo,SCo,PR
Egeria densa	Brazilian waterweed	Streams, ponds, sloughs, lakes; Sacramento-San Joaquin Delta	n&sSNF,SnJV,SnFrB, SnJt,SNE
Ehrharta calycina	veldt grass	Sandy soils, esp. dunes; rapidly spreading on central coast	CCo,SCoRO,WTR
Eichhornia crassipes	water hyacinth	Horticultural; established in natural waterways, esp. troublesome in Sacramento-San Joaquin Delta	GV,SnFrB,SCo,PR
Elaeagnus angustifolia	Russian olive	Horticultural; interior riparian areas	SnJV,SnFrB,SNE,DMoj
Euphorbia esula ⁴	leafy spurge	Rangelands in far no. CA, also reported from Los Angeles Co.	eKR,NCo,CaR,MP,SCo
Ficus carica	edible fig	Horticultural; Central Valley, foothill, South Coast and Channel Is. riparian woodlands	nSNF,GV,SnFrB,SCo
Lupinus arboreus	bush lupine	Native to SCo, CCo; invasive only in North Coast dunes	SCo,CCo,NCo
Mentha pulegium	pennyroyal	Santa Rosa Plain (Sonoma Co.) and Central Valley vernal pools; wetlands elsewhere	NW,GV,CWSCo
Myoporum laetum	myoporum	Horticultural; coastal riparian areas in SCo	SCo,CCo
Saponaria officinalis	bouncing bet	Horticultural; meadows, riparian habitat in SNE, esp. Mono Basin	NW,CaRH,nSNF,SnFrB, SCoRO,SCo,PR,MP,SNE GV
Spartina alterniflora	Atlantic or smooth cordgrass	S.F. Bay salt marshes; populations in Humboldt Bay believed extirpated	CCo(shores of S.F. Bay)

²Distribution by geographic subdivisions per the Jepson Manual

CA=Calitornia	GV=Great Valley	ScV=Sacramento Valley
CA-FP=California Floristic Province	KR=Klamath Ranges	SnJV=San Joaquin Valley
CaR=Cascade Ranges	MP=Modoc Plateau	SN=Sierra Nevada
CaRF=Cascade Range Foothills	NCo=North Coast	SNE=East of SN
CCo=Central Coast	NCoRI=Inner NCo Ranges	SNF=SN Foothills
ChI=Channel Islands	NCoRO=Outer NCo Ranges	SNH=High SN
CW=Central Western CA	NW=Northwestern CA	SnFrB=San Francisco Bay Area
D=Deserts	PR=Peninsular Ranges	SnGb=San Gabriel Mtns
DMoj=Mojave Desert	SCo=South Coast	SW=Southwestern CA
DSon=Sonoran Desert	SCoRI=Inner SCo Ranges	Teh=Tehachapi Mtns
GB=Great Basin	SCoRO=Outer SCo Ranges	WTR=Western Transverse Ranges

The California Exotic Pest Plant Council

List B: Wildland Pest Plants of Lesser Invasiveness

Latin Name ¹	Common Name	Habitats of Concern and Other Comments	Distribution ²
Ageratina adenophora ^F	eupatory	Horticultural; coastal canyons, coastal scrub, slopes, Marin to San Diego Co; San Gabriel Mtns.	CCo,SnFrB,SCo,SCoRO
Bassia hyssopifolia	bassia	Alkaline habitats	CA (except NW,SNH)
Bellardia trixago	bellardia	Grasslands, on serpentine, where a threat to rare natives	NCoRO,CCo,SnFrB
Brassica nigra	black mustard	Coastal communities, esp. fog-belt grasslands; disturbed areas	CA-FP
Cardaria chalepensis ^B	lens-podded white-top	Wetlands of Central Valley	CA
Carduus pycnocephalus ^C	Italian thistle	Grasslands, shrublands, oak woodlands	sNCo,sNCoR,SNF,CW, SCo,ScV
Centaurea calcitrapa ^B	purple starthistle	Grasslands	NW,sCaRF,SNF,GV,CW,SW
Centaurea melitensis	tocalote, Malta starthistle	Widespread; sometimes misidentified as $C.$ solstitialis; perhaps a more serious invader than currently recognized	CA-FP,D
Cirsium arvense ^B	Canada thistle	Especially troublesome in riparian areas	CA-FP
Cirsium vulgare	bull thistle	Riparian areas, marshes, meadows	CA-FP,GB
Conium maculatum	poison hemlock	Mainly disturbed areas but may invade wildlands; known to poison wildlife; early expanding stage in many areas, esp. San Diego Co. riparian, oak understory	CA-FP
Crataegus monogyna	hawthom	Horticultural; recent invader, colonizing healthy native forest around Crystal Springs reservoir on S.F. peninsula	SnFrB,CCo,NCo,NCoR
Ehrharta erecta	veldt grass	Wetlands, moist wildlands; common in urban areas; potential to spread rapidly in coastal, riparian, grassland habitats	SnFrB,CCo,SCo
Erechtites glomerata, E. minima	Australian fireweed	Coastal woodlands, scrub, NW forests, esp. redwoods	NCo,NCoRO,CCo,SnFrB, SCoRO
Festuca arundinacea	tall fescue	Horticultural (turf grass); coastal scrub, grasslands in NCo, CCo	CA-FP
Hedera helix	English ivy	Horticultural; invasive in coastal forests, riparian areas	CA-FP
Holcus lanatus	velvet grass	Coastal grasslands, wetlands in No. CA	CA exc. DSon
Hypericum perforatum ^C	Klamathweed, St. John's wort	Redwood forests, meadows, woodlands; invasion may occur due to lag in control by established biocontrol agents	NW,CaRH,n&cSN,ScV, CCo,SnFrB,PR
Ilex aquifolium	English holly	Horticultural; coastal forests, riparian areas	NCoRO,SnFrB,CCo
Iris pseudacorus	yellow water iris, yellow flag	Horticultural; riparian, wetland areas, esp. San Diego, Los Angeles cos.	SnFrB,CCo,sSnJV,SCo
Leucanthemum vulgare	ox-eye daisy	Horticultural; invades grassland, coastal scrub	KR,NCoRO,n&cSNH, SnFrB,WTR,PR
Mesembryanthemum crystallinum	crystalline iceplant	Coastal bluffs, dunes, scrub, grasslands; concentrates salt in soil	NCo,CCo,SCo,ChI
Myriophyllum aquaticum	parrot's feather	Horticultural; streams, lakes, ponds	NCo,CaRF,CW,SCo
Olea europaea	olive	Horticultural and agricultural; reported as invasive in riparian habitats in Santa Barbara, San Diego	NCoR,NCoRO,CCo, SnFrB,SCoRO,SCo
Phalaris aquatica	Harding grass	Coastal sites, esp. moist soils	NW,cSNF,CCo,SCo
Potamogeton crispus	curlyleaf pondweed	Scattered distribution in ponds, lakes, streams	NCoR,GV,CCo,SnFrB, SCo,Chl,SnGb,SnBr,DMoj
Ricinus communis	castor bean	SoCal coastal riparian habitats	GV,SCo,CCo
Robinia pseudoacacia	black locust	Horticultural; riparian areas, canyons; native to eastern U.S.	CA-FP,GB
Schinus molle	Peruvian pepper tree	Horticultural; invasive in riparian habitats in San Diego, Santa Cruz Is.	SNF,GV,CW,SW,Teh

Exotic Pest Plants of Greatest Ecological Concern in California

List B: Continued

Latin Name ¹	Common Name	Habitats of Concern and Other Comments	Distribution ²
Schinus terebinthifolius	Brazilian pepper	Horticultural; riparian areas	sSCo
Senecio jacobaea ^B	tansy ragwort	Grasslands; biocontrol agents established	NCo,wKR,s&wCaR, nSNF, nScV,SW
Spartium junceum	Spanish broom	Coastal scrub, grassland, wetlands, oak woodland, NW forests, esp. redwoods; also roadcuts	NCoRO,ScV,SnFrB, SCoRO,SCo,sChI,WTR
Verbascum thapsus	woolly or common mullein	SNE meadows, sagebrush, pinyon-juniper woodlands; shores of Boggs Lake (Lake Co.)	CA
Vinca major	periwinkle	Horticultural; riparian, oak woodland, other coastal habitats	NCoRO,SnFrB, CCo, sSCoRO,SCo

Red Alert: Species with potential to spread explosively; infestations currently restricted

Production of the second			
Latin Name ¹	Common Name	Habitats of Concern and Other Comments	Distribution ²
Alhagi pseudalhagi ^A	camel thorn	Noxious weed of arid areas; most infestations in California have been eradicated	GV,sSNE,D
Arctotheca calendula ^A	Capeweed	Seed-producing types are the problem; most are vegetative only	NCo,SnFrB,CCo
Centaurea maculosa ⁴	spotted knapweed	Riparian, grassland, wet meadows, forest habitats; contact CA Food & Ag if new occurrences found	CaR,SN,nScV,nCW,MP, nSNE,sPR,NW
Crupina vulgaris ^{F.A}	bearded creeper, common crupina	Aggressively moving into wildlands, esp. grassland habitats	NCoR (Sonoma Co.),MP
Halogeton glomeratus ^A	halogeton	Noxious weed of Great Basin rangelands; report locations to CA Food & Ag; goal is exclusion from CA	GB
Helichrysum petiolare	licorice plant	North coastal scrub; one population on Mt. Tamalpais, w. Marin Co.	Not in Jepson
Hydrilla verticillata ^{F,A}	hydrilla	Noxious water weed; report locations to CA Food & Ag; eradication program in place; found in Clear Lake (Lake Co.) in 1994	NCoRI,n&cSNF,ScV,SCo,
Lythrum salicaria ^B	purple loosestrife	Horticultural; noxious weed of wetlands, riparian areas	sNCo,NCoRO,nSNF,ScV, SnFrB,nwMP
Ononis alopecuroides ^Q	foxtail restharrow	Eradication efforts underway in San Luis Obispo Co.; to be looked for elsewhere in CA	CCo; not in Jepson
Retama monosperma	bridal broom	First noted at Fallbrook Naval Weapons Station, San Diego Co; could rival other invasive brooms	San Diego Co.; not in Jepson
Salvinia molesta ^F	giant waterfern	Ponds, lakes, reservoirs, canals	Napa, Sonoma cos., lower Colorado River; not in Jepson
Sapium sebiferum	Chinese tallow tree	Horticultural; riparian, wetland habitats, open areas and understory	ScV,SnFrB; not in Jepson
Sesbania punicea	scarlet wisteria tree	Horticultural; riparian areas; American River Parkway, Sacramento Co., Suisun Marsh, San Joaquin River Parkway	ScV,SnJV; not in Jepson
Spartina anglica	cord grass	Scattered in S.F. Bay	Not in Jepson
Spartina densiflora	dense-flowered cord grass	Scattered in S.F. Bay, Humboldt Bay salt marshes	CCo,NCo
Spartina patens	salt-meadow cord grass	One site in S.F. Bay, also Siuslaw Estuary, OR and Puget Sound, WA	CCo

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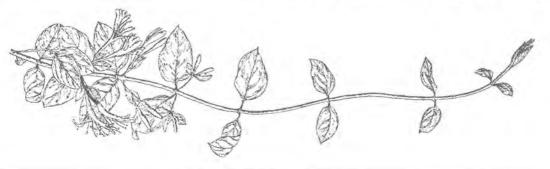
Need More Information

Latin Name ¹	Common Name	Habitats of Concern and Other Comments	Distribution ²
Acacia dealbata	silver wattle	Aggressive in natural areas?	SnFRB,SCoRO,SCoRI,CC
Acacia decurrens	green wattle	Sometimes confused with A. dealbata; aggressive in natural areas?	Unknown
Acacia melanoxylon	blackwood acacia	Reported from S.F. Bay area, central coast, Santa Cruz Is.; spreads slowly; other areas?	SnFrB,SCoRO,SCo,CCo
Aeschynomene rudis ^B	rough jointvetch	Princeton area, Colusa Co.; pest of rice crops; potential threat to riparian, wetland habitats?	ScV
Agrostis avenacea	Pacific bentgrass	Invading vernal pools in San Diego area; attempts at manual eradication unsuccessful so far; problem in other areas?	sNCo,sNCoR,SNF, GV,CW,nSCo
Aptenia cordifolia	red apple	Habitats where invasive?	CCo,SCo,sChI
Asphodelus fistulosus	asphodel	Common in SCo highway rights-of-way, other disturbed sites; threats to wildlands?	sSnJV,SCo
Carduus acanthoides ^A	giant plumeless thistle	Threatens wildlands?	NCoRI,nSN,SnFrB, nSCoRO,MP
Cistus ladanifer	gum cistus	Horticultural; invades coastal sage scrub, chaparral; areas where problematic?	sCCo,SnGb
Cordyline australis	New Zealand cabbage	Infestation at Salt Point State Park; bird-dispersed; other problem areas?	Not in Jepson
Cotoneaster spp. 'exc. C. pannosus, C. lacteus)	cotoneaster	$\label{thm:continuity} Horticultural; \ bird\mbox{-} distributed; \ which \ species \ are \ problems \ in \ wildlands?$	Unknown
Cupressus macrocarpa	Monterey cypress	Native only to Monterey Peninsula; planted and naturalized CCo, NCo; threat to wildlands?	CCo
Descurainia sophia	flixweed, tansy mustard	Entering Mojave wildlands through washes; threat to wildlands?	CA
Dimorphotheca sinuata	African daisy, Cape marigold	Horticultural; reported as invasive in w. Riverside Co., Ventura Co.; problem elsewhere?	SnJV,SCoRO,SCo,PR
Echium candicans, E. pininana	pride of Madeira, pride of Teneriffe	Horticultural; riparian, grassland, coastal scrub communities; spreads by seed	CCo,SnFrB,SCo,sNCo
Ehrharta longiflora	veldt grass	Reported from San Diego	Not in Jepson
Erica lusitanica	heath	Threat to wildlands?	NCo (Humboldt Co.)
Euphorbia lathyris	caper spurge, gopher plant	Invades coastal scrub, marshes, dunes; Sonoma, Marin cos.; threat to wildlands?	NCo,CCo,GV,SCo
Gazania linearis	gazania	Horticultural; invades grassland in S.F., coastal scrub?	CCo,SCo
Glyceria declinata		Although reported from Central Valley vernal pools, genetic research is needed to confirm identity; plants that have been called G. declinata key in Jepson to native G. occidentalis	Uncertain; not in Jepson
Hedera canariensis	Algerian ivy	Horticultural; invasive in riparian areas in SoCal?	Not in Jepson
Hirschfeldia incana	Mediterranean or short-pod mustard	Increasing in western, southern Mojave; threat to wildlands?	NCo,SNF,GV,CW,SCo, DMoj
Hypericum canariense	Canary Island hypericum	Reported in San Diego area, coastal sage scrub, grassland; threat to wildlands?	SCo
Hypochaeris radicata	rough cat's-ear	Widespread in coastal grasslands, wetlands; threat to wildlands?	NW,CaRF,nSNF,ScV, CW,SCo
Isatis tinctoria ^B	dyers' woad	Well-known invader in Utah; threat to wildlands?	KR,CaR,nSNH,MP
Ligustrum lucidum	glossy privet	Horticultural; spreading rapidly on Mendocino coast; problem in other areas?	NCo; not in Jepson
Limonium ramosissimum ssp. provinciale	sea lavender	Reported spreading in Carpinteria Salt Marsh; problem in other areas?	Not in Jepson

Exotic Pest Plants of Greatest Ecological Concern in California

Need More Information: Continued

Latin Name ¹	Common Name	Habitats of Concern and Other Comments	Distribution ²
Ludwigia uruguayensis (= L. hexapetala)	water primrose	Invasive in aquatic habitats; non-native status questioned?	NCo,sNCoRO,CCo, SnFrB,SCo
Malephora crocea	ice plant	Invades margins of wetlands, bluffs along SCo	CCo,SCo,sChI
Maytenus boaria	mayten	Horticultural; scattered in riparian forests, ScV; east SnFrB	ScV,SnFrB
Mesembryanthemum nodiflorum	slender-leaved iceplant	Abundant on Channel Islands; invades wetlands; habitats where problematic?	SnFrB,SCo,ChI
Nicotiana glauca	tree tobacco	Disturbed places; not very competitive with natives in coastal scrub, chaparral; spreading along Putah Creek (Yolo Co.); problems elsewhere?	NCoRI,c&sSNF, GV,CW,SW,D
Oxalis pes-caprae	Bermuda buttercup	Invades disturbed sites; invasive in undisturbed habitats?	NCo,NCoRO,CCo, SnFrB,SCoRO,SCo
Parentucellia viscosa		Threat to NCo (Humboldt Co.) dune swales?	NCo,NCoRO,CCo,SCo
Passiflora caerulea		Horticultural; reported from SoCal; threat to wildlands?	SCo; not in Jepson
Pennisetum clandestinum ^{FC}	Kikuyu grass	Disturbed sites, roadsides; threat to wildlands?	NCo,CCo,SnFrB,SCo, Santa Cruz Is.
Phyla nodiflora	mat lippia	Most varieties in CA are native; taxonomy unclear; status of plants in vernal pools, wetlands?	NW(except KR,NCoRH), GV,CCo,SnFrB,SCo, PR,DSon
Pinus radiata cultivars	Monterey pine	Cultivars invading native Monterey, Cambria forests, where spread of pine pitch canker is a concern	CCo
Piptatherum miliaceum	smilo grass	Aggressive in SoCal creeks, canyons; threats to wildlands?	NCo,GV,CW,SCo
Pistacia chinensis	Chinese pistache	Horticultural; invades riparian areas and woodlands in ScV	ScV
Prunus cerasifera	cherry plum	Oak woodland, riparian areas; esp. Marin, Sonoma cos.; bird-distributed; problems elsewhere?	SnFrB,CCo
Pyracantha angustifolia	pyracantha	Horticultural; spreads from seed in S.F. Bay area; bird-distributed; problem elsewhere?	sNCoRO,CCo,SnFrB, SC
Salsola soda	glasswort	Threat to salt marshes?	nCCo,SnFrB
Salsola tragus ^c	Russian thistle, tumbleweed	Abundant in dry open areas in w. Mojave Desert, Great Basin; not limited to disturbed sites; threats?	CA
Salvia aethiopis ^B	Mediterranean sage	Creates monocultures in E. Oregon grasslands; threat to CA wildlands?	MP
Stipa capensis		Distribution and threats?	Not in Jepson
Tamarix aphylla	athel	Spreading in Salton Sea area; threats to wildlands?	nSnJV,nSCo,D
Tanacetum vulgare	common tansy	Jepson reports as uncommon, escape from cultivation in urban areas; problem in wildlands?	NCo,NCoRO,CaRH, SCoRO
Verbena bonariensis, V. litoralis	tall vervain	Horticultural; invades riparian forests, wetlands; extensive along ScV riparian corridors; roadsides (Yuba Co.); elsewhere?	ScV,nSnJV,nSnFrB,CCo



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Annual Grasses

Latin Name ¹	Common Name	Habitats of Concern and Other Comments	Distribution ²
Aegilops triuncialis ^B	barbed goatgrass	Serpentine soils, grasslands	sNCoR,CaRF, n&cSNF, ScV,nCW
Avena barbata	slender wild oat	Lower elev. in SoCal; coastal slopes, coastal sage scrub, disturbed sites	CA-FP,MP,DMoj
Avena fatua	wild oat	Lower elev. in SoCal; coastal slopes, coastal sage scrub on deeper soil, disturbed sites	CA-FP,MP,DMoj
Brachypodium distachyon	false brome	Expanding in SoCal; common in Orange Co.	sNCoR,sCaRF, SNF,GV,CW,SCo,sChI
Bromus diandrus	ripgut brome	Coastal dunes, coastal sage scrub, grasslands	CA
olium multiflorum	Italian ryegrass	Wetland areas, esp. vernal pools in San Diego Co.; common in disturbed sites	CA-FP
Schismus arabicus	Mediterranean grass	Threat to Mojave and Colorado desert shrublands?	SnJV,CW,sChI,D
Schismus barbatus	Mediterranean grass	Threat to Mojave and Colorado desert shrublands?	SnJV,SW,D

Considered, but not listed

Latin Name ¹	Common Name	Habitats of Concern and Other Comments
Albizia lophantha	plume acacia	Not invasive
Anthoxanthum odoratum	sweet vernal grass	Disturbed sites on coast; Marin, Sonoma, Mendocino cos.
Carpobrotus chilensis	sea fig	Native status in question; not a threat to wildlands
Centranthus ruber	red valerian	Horticultural; roadcuts in Marin Co.; not a threat to wildlands
Convolvulus arvensis ^c	field bindweed	Disturbed sites; ag lands
Coprosma repens	mirror plant	No evidence of wildland threat
Crocosmia x crocosmiiflora		Generally in disturbed coastal, urban areas, roadsides
Digitalis purpurea	foxglove	Horticultural; scattered in prairies, meadows, disturbed sites; not a major wildland threat
Dipsacus sativus, D. fullonum	wild teasel, Fuller's teasel	Roadsides, disturbed sites
Fumaria officinalis, F. parviflora	fumitory	S.F. Bay area, Monterey Bay salt marshes, sandy disturbed sites
Medicago polymorpha	California bur clover	Grasslands, moist sites; mainly restricted to disturbed sites
Melilotus officinalis	yellow sweet clover	Restricted to disturbed sites in CA
Nerium oleander	oleander	Horticultural; not invasive, although reported from riparian areas in Central Valley, San Bernardino Mtns.
Picris echioides	bristly ox-tongue	Disturbed areas
Silybum marianum	milk thistle	Disturbed areas, especially overgrazed moist pasturelands; may interfere with restoration
Xanthium spinosum	spiny cocklebur	Identified as native in <i>The Jepson Manual</i> (Hickman, 1993) and <i>A California Flora</i> (Munz and Keck, 1968); restricted to disturbed areas
Zantedeschia aethiopica	calla lily	Horticultural; mainly a garden escape in wet coastal areas
Zoysia cultivars	Amazoy and others	Horticultural; no evidence of wildland threat

Request for Information: Exotic Pest Plants of Greatest Ecological Concern in CA

Please use this form to propose adding a new plant to the CalEPPC list or to provide other comments. Please provide as much detail as possible. Use the second side of this form or attach additional sheets if more space is needed. Please mail completed form to: Peter Warner, 555 Magnolia Avenue, Petaluma, CA, 94952-2080. Comments can be submitted by email to peterjwarner@earthlink.net

Species Name: _

Phone:	FAX:		email:	1999 CalEPPC List p. 9
				7.6
Name:		Affiliation:		
Other comments?				
Describe any techniques Have they been successfu				
Is this plant sold by nurs or other activities that m				
Is this plant a recent inva	ader of California wild	dlands? Ideas abou	ut how it got here?	
How does it spread? (See	ds carried by wind, b	irds, other animal	s; vegetative runners?)_	
List any rare plants, anin	nals or communities	threatened by this	weed:	
Which native communitie	es does it infest?			
In which region(s) of Cali Indicate county(ies) and/				
is it mainly restricted to	disturbed sites like ro	oadsides, agricultu	ral areas, etc.?	
Does this weed displace l	nealthy native comm	unities, or		

Request for Inform	nation: Exotic Pest Plants of Greatest Ecological Concern in	CA
Notes:		
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No.		

	900000	

The California Exotic Pest Plant Council

Who We Are:

c/o Sally Davis 32912 Calle del

hroughout California, natural wildlands and parks are under attack from invasive pest plants. As natural habitat is replaced by exotic plants, we also lose many of the state's native birds, insects, fish and other wildlife species. People concerned with the protection, management and enjoyment of our natural areas have become increasingly alarmed about the spread of invasive exotic vegetation. Since its formation in 1992, CalEPPC has been dedicated to finding solutions to problems caused by non-native pest plant invasions of the state's natural areas. The objectives of CalEPPC are to:

- provide a focus for issues and concerns regarding exotic pest plants in California;
- facilitate communication and the exchange of information regarding all aspects of exotic pest plant control and management;
- provide a forum where all interested parties may participate in meetings and share in the benefits from the information generated by this council;
- promote public understanding regarding exotic pest plants and their control;
- serve as an advisory council regarding funding, research, management and control of exotic pest plants;

- facilitate action campaigns to monitor and control exotic pest plants in California; and
- review incipient and potential pest plant management problems and activities and provide relevant information to interested parties.

What We Do:

CalEPPC:

- Holds an annual statewide symposium;
- Co-sponsors regional workshops on control of problem wildland weeds;
- Publishes a quarterly newsletter with timely, practical information:
- · Maintains an informative web site at www.caleppc.org
- Sponsors rigorous experiments on control methods for French broom, German ivy, pampas grass and other invasive pest plants;
- Advances public and professional awareness of wildland weed problems and solutions by sponsoring illustrated brochures and a soon-to-be published book on California's worst wildland weeds;
- Is recognized as an authoritative source of new information on all aspects of wildland weed management.

1999 CalEPPC Membership Form

If you would like to join CalEPPC, please remit your calendar dues using the form provided below. All members will receive the CalEPPC newsletter, be eligible to join CalEPPC working groups, be invited to the annual symposium and participate in selecting future board members. Your personal involvement and financial support are the keys to success. Additional contributions by present members are welcomed!

Indivi	idual		Institutional		Name							
St	udent*	\$15.00	N/A		Affiliation							
☐ Fa	amily	\$25.00 \$40.00	Contributing	\$100.00 \$250.00	Address							
☐ Su	ustaining	\$100.00	Patron Sustaining	\$500.00 \$1000.00	City/State/Zip							
	Lifetime \$1000.00 Please make an additional contribution in my		name to	Office Phone								
Student/Low Income membership: \$				\$	Home Phone							
Cape l	Ivy Biocont	rol Fund:		\$	Fax							
	Regular \$25.00 Regular \$100.00 Family \$40.00 Contributing \$250.00 Contributing \$50.00 Patron \$500.00 Sustaining \$100.00 Sustaining \$1000.00 Lifetime \$1000.00			uid mail	email							
CalEP	PC Member	rship										

The California Exotic Pest Plant Council is a California 501(c)3 non-profit, public benefit corporation organized to provide a focus for issues and concerns regarding exotic pest plants in California, and is recognized under federal and state tax laws as a qualified donee for tax deducible charitable contributions.

^{*}Students, please include current registration and/or class schedule

The CalEPPC List:

Exotic Pest Plants of Greatest Ecological Concern in California

October, 1999

Potential uses for this list:

- · Informing the public
- · Targeting species for control efforts
- Alerting restorationists to potential problem species
- · Aiding those who comment on environmental documents
- Soliciting additional information on exotic plants with unknown or changing status

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Arundo donax Illustration by Sally Davis

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Appendix 9

Report of Presence/Absence Trapping Surveys for Stephens' Kangaroo Rat

Presence/Absence Trapping Surveys for Stephens Kangaroo Rat Salvation Army Mussey Grade Project Ramona, California



Prepared for

Merkel and Associates Inc.

February 2, 2001

Prepared By

Philippe Vergne, ENVIRA, 23849 Gymkhana Road, Ramona, CA Phone/fax 760-788-0450 E-mail PVERGNE@ATTMAIL.COM

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Figure 1. Project Vicinity Map

Figure 2. Project Site and Trapping Locations

Table 1. Trapping Results

Pictures 1-4 Project Site Photos

EXECUTIVE SUMMARY

Philippe Vergne was contracted by Merkel and Associates Inc, to conduct trapping surveys for the proposed salvation Army development project. The trapping surveys were required due to the potential presence on the property of the Stephens' kangaroo rat- SKR (Dipodomys stephensi).

Following is a report describing the results of a field survey and habitat assessment for Stephens' kangaroo rats on the above-described property. The report is a summary of a walk-over phase one survey performed in December of 2000, and trapping surveys performed on January 14 to 18 of 2001, by Philippe Vergne, a certified SKR biologists.

Based on the available information and site conditions, there was a good probability that the SKR might occur on the proposed project site. Therefore after completing an initial walkover survey, during which kangaroo rat sign was found, the site was than trapped according to standard protocols developed for SKR. Through trapping it was possible to verify the absence of SKR in those areas which initially exhibited potential habitat and kangaroo rat sign. No SKR were captured during the trapping survey and therefore the site is currently not occupied by SKR.

PROJECT DESCRIPTION

The Salvation Army Divisional Camp (SADC) occupies an estimated 680 acres located to the west of Mossey grade Road in the town of Ramona in San Diego County, California (Figure 1). The proposed project, will impact portions of some of the 70 acres of disturbed annual grasslands located within the SADC. The SADC property is located in Section 1, T 14 south, R 1 west, of the USGS 7.5" San Vincente Reservoir Quadrangle. The project calls for the development of a cafeteria, cabins and related facilities.

METHODS

Stephens Kangaroo Rat

The Stephens' kangaroo rat is one of several kangaroo rat species in its range. The Dulzura (Dipodomys simulans), the Pacific kangaroo rat (Dipodomys agilis) and the Stephens kangaroo rat (Dipodomys stephensi) occur in overlapping ranges in southern California.

The Stephens kangaroo (SKR) rat prefers open areas with sparse perennial cover (Lackey 1967, Bleich 1977, Thomas 1975). They occur in areas of loose soil where the soil depth is at least 0.5 meters (Price and Endo, 1989). SKR will also inhabit disturbed areas such as fallow fields by using the burrows of other rodents, including pocket gophers (Thomomys bottae) (Bleich 1977) and the Beechey ground squirrel (Spermophilus beecheyi) (O'Farrell 1989).

Like all kangaroo rats, the SKR is primarily a seed eater, feeding on the seeds of both annual and shrub species. It also feeds on green vegetation and insects when these are available. Being primarily dry biome species kangaroo rats obtains nearly all of their water from the food they eat, and can subsist indefinitely on water extracted from dry seeds. They forages in open ground and underneath shrubs. Burrows are dug in loose soil.

The site was searched for characteristic kangaroo rat sign such as scat, tracks, burrows and dustbowls.

Habitat Evaluation Surveys

We conducted a preliminary phase one walkover survey of the site to determine the habitat types on site and identify potential habitat for the kangaroo rat. Kangaroo rat sign was observed in much of the disturbed annual grasslands and sparse scrub habitat on the site. During the reconnaissance survey it was determined that there was potential habitat for both the Dulzura and Stephens' kangaroo rats on the property (Sullivan and Best, 1997).

The species present in such marginal areas is difficult to estimate due to the likely presence of the Dulzura kangaroo rat (formerly the Pacific kangaroo rats (Dipodomys agilis - PKR)). Both the Dulzura and Pacific kangaroo rats are known to occasionally inhabit open grasslands more characteristic of SKR, while SKR are infrequently known to inhabit areas of denser vegetation. Therefore, verifiable assessments as to occupation and potential densities by SKR in many areas of the site required trapping. Trapping is often the only definitive method of confirming the presence, distribution, and abundance of SKR in areas where they are sympatric with other kangaroo rat species.

As part of the habitat assessment, we conducted a focused evaluation of the on site habitats and kangaroo rat sign in order to identify the most suitable trap sites. We also recorded the various plant communities and condition of the habitats on site. Based on the survey findings, we selected six areas for trapping (Figure Two).

Trapping Surveys

Trapping was conducted according to protocols established for the SKR. The protocol calls for five nights of trapping, conducted when the animal is active above-ground at night and preferably during a new moon phase. The trapping session lasted from January 14 to 19, 2001.

We placed the traps in suitable habitat areas on the project, concentrating on locating traps in areas containing soils and vegetation suitable for the SKR. Areas with kangaroo rat sign were also targeted. All trap locations were flagged to ensure the same trap sites were trapped each night. Each trap was baited with a mixture of bird seed and rolled oats, placed at the back of the traps. The traps we reopened at dusk each night and inspected at night and dawn each morning. All animals were identified and released at the point of capture.

Notes were recorded on the habitats, soils and other relevant characteristics where the traps were placed. We also noted the weather conditions at the time of the trapping surveys.

RESULTS

Topography

Topography of the site is primarily gently sloping terrain, surrounded by steeper hills and rocky outcrops. On site elevation ranges from 1290 to 1600 feet in the disturbed annual grasslands to over 2000 feet in the surrounding chaparral covered terrain.

Soils

The soils on site range from fine sandy loams to coarse loams, with pockets of clay. The loam soil types encountered on site are suitable for use by kangaroo rats.

Vegetation

Four major vegetation communities are present on the site: annual grasslands, resprouting and dense coastal sage scrub, chaparral, and oak woodland. Disturbed annual grassland and sparse sage scrub occur over most of the area surveyed for SKR.

The dominant vegetation community in the project development area disturbed annual grasslands dominated filaree (Errodium cicutarium), fiddleneck (Amsinckia tessellata), and shortpod mustard (Brassica geniculata), red brome (Bromos diandrus) and cheatgrass (Bromos diandrus). And California matchweed (Gutierrezia californica).

Dominant plant species in the resprouting sage scrub community adjacent to the

grasslands are flat-top buckwheat (<u>Eriogonum fasciculatum</u>), California sagebrush (<u>Artemisia californica</u>), and chamise (<u>Adenostoma fasciculata</u>). Shrub cover varies from sparse to dense. Scaterred oaks and remnant chaparral species are also found within the disturbed annual grasslands.

Disturbances present on the site include ornamentals (grass and plants), fire, paved and dirt roads, single family homes, cafeteria and offices, cabins with associated structures, pool, game areas, and baseball field.

Weather Conditions

Weather conditions changed little during the course of the trapping studies. Early morning temperatures were in the low to mid fifties throughout the survey. Trapping occurred a few days prior and during the quarter and rising moon phase.

Surrounding Land Uses

Surrounding land uses are varied. To the west are steep chaparral covered hillsides with no potential for SKR. To the North and south are mixes chaparral, sage scrub and oak woodlands with no SKR potential. To the east are disturbed annual grasslands and sage scrub/chaparral mixed scrub with low potential for SKR.

Trapping Results

The results of the trapping are provided in Table 1. Six sites were trapped. The trapping site selection was based based on known habitat requirements and observed sign for the targeted species. The sites were as follows:

Site 1

Site is disturbed annual grasslands adjacent to chaparral. Portions of the site have been mowed for weed control. Vegetation cover varies from 0 to 40%. Soils are sandy loams.

Site 2

Site 2 is disturbed annual grassland. Several dirt roads run along portions of the site. Soils are sandy loams, there also are some clay pockets and rocky outcrops. The plant cover from to 30 percent (Picture 1).

Site 3

Site 3 is dominated by disturbed annual grasslands, with scattered oaks and ornamentals. A game/baseball field is located in the center of the site. The plant cover varies from 0 to 30 percent (Picture 3).

Site 4

Site 4 is located along the main dirt road adjacent to large disturbed annual grasslands located off site. Soils are loams. Vegetation is mostly invasive grasses. Cover is about 30 percent.

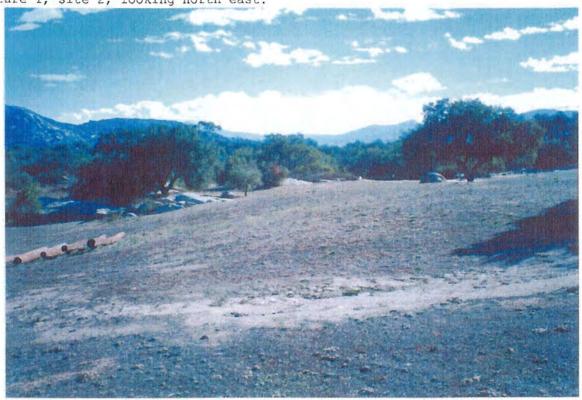
Site 5

Site 5 is dominated by disturbed annual grasslands, with scattered oaks. Cover ranges from 0 to 30 percent.

Site 6

Site 6 is located in disturbed annual grassland with sparse sage scrub. Cover ranges from 10 to 70 percent. Soils are loams and clay.

Picture 1, site 2, looking north east.



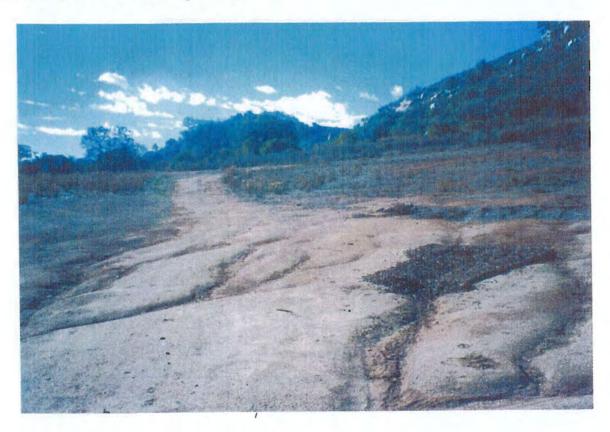
Picture 2, Site 3, looking north east.



Picture 3, site 4, Looking south down eastern edge of property.



Picture 5, site 6 Looking south.

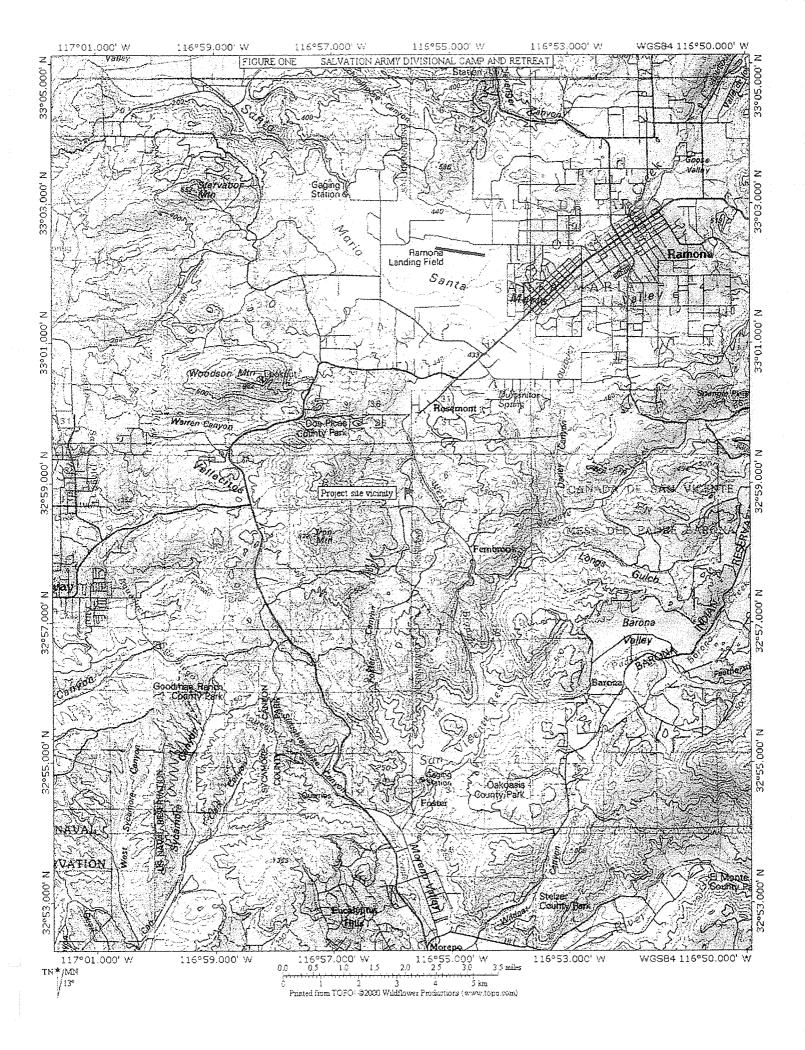


No SKR captured during the five day trapping effort. A total of 42 Dulzura kangaroo rats were captured. Dulzura kangaroo rats were captured at each trap line. Two sensitive species was also captured, the northwestern San Diego pocket mouse (Chaetodipus fallax fallax) and the desert woodrat (Neotoma lepida). Other species captured included the deer mouse (Peromyscus maniculatus), cactus mouse (Peromyscus eremicus), and one parasitic mouse (Peromyscus californicus).

Trapping success was moderate over the entire trapping period. Table 1 provides information on the species trapped per night.

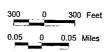
CONCLUSIONS

Based on the available information and site conditions, there was a low probability that the SKR might occur on the project site. SKR distribution in the Ramona area appears to be extremely fragmented due to disturbances, agricultural practices, and varied soil conditions ranging from small pockets of suitable loams to large areas of clay (Dr. m. O'Farrel pers. Com 2001; Vergne 99-2001 trapping results) . No SKR were caught during the trapping studies, and therefore this species is not present on the proposed project site.









SMALL MAMMAL TRAPPING LOCATIONS ONE TO SIX

within Salvation Army Divisional Camp and Retreat Ä Figure 2

Table 1. Trapping Results Salvation Army Site

DATE OF SET	TRAP LINE	# OF TRAPS	DL st.	Di.	Ch. fa.	Pe, er.	Pe. ma.	Ne. le.	Pe.	Other
01-14-2001	1	35		3			2			
	2	30		2	1	1	l			
	3	35		2		ì				1 towhee
	4	30					1			***************************************
	5	20								
	6	30		1	2		1			
01-15-2001	I	35		1			2			
	2	30		2			2	1		
	3	35					1			
	4	30		ι						
	5	20					2			
	6	30		2		1	1	I		
01-16-2001	1	35		3			1			
	2	30		2		2	1	1		
	3	35		2		I				
	4	30		1						
	5	20		2			l.			
	6	30		2			1		I	
01-17-2001	1	35		2	1		2			
	2	30		3			2	1		
	3	35		3			1			
	4	30		1						
	5	20		2			1			
	6	30		3	1	1	I			
01-18-2001	I	35		l			1			
	2	30		2						
-	3	35		2			2			
	4	30								
	5	20		2			1			
	6	30		2	2		2			
TOTAL		900	0	49	7	7	30	4		1
%		10.7%								

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Appendix 10

Salvation Army Expansion: Effects on Golden Eagles



SALVATION ARMY EXPANSION: EFFECTS ON GOLDEN EAGLES

MUSSEY GRADE ROAD RAMONA, CALIFORNIA

Report Prepared For:
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June 6, 2001

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Report prepared by:

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Contact: Dave Bittner, Exec. Director WRI
Co- Director, Golden Eagle Project

History:

The documented history of the pair of Golden Eagles we call, the Iron Mountain Pair, goes back to the 1920's. During this time James Dixon was collecting eggs for museums and private collectors called oologists. Mr. Dixon worked for the Water District and used the field knowledge of other employees and contacts throughout San Diego County to locate and collect the eggs of Golden Eagles. After collecting the eggs, notes were made on the egg itself, as to the date and location of where the eggs were collected. Many of his and others' egg collections ended up in museums all over the United States and Europe. Some of the collected eggs remain in local museums such as the Riverside Museum of Natural History and the Vertebrate Museum of Natural History in Los Angeles.

Mr. Dixon published a paper on the Golden Eagle territories he had knowledge of in the scientific journal, Condor (1936). Dixon reported 28 pairs that he had collected eggs from or had detailed knowledge of in northwest San Diego County. The Iron Mountain pair of Golden Eagles was one of those pairs. During this era of egg collection, the eggs were collected early in incubation, thus avoiding the possibility of something happening to the eggs and before the embryo grew to big, to easily blow out the egg contents. This collecting of eggs, early in incubation inadvertently had the effect of double-clutching the Eagles. Double-clutching is a method of getting 'eagles and other birds to lay a second set of eggs within a single breeding season. The collectors didn't collect the second set of eggs. This assured that the eagles would produce offspring and continue to nest, so that new eggs could be collected again the next year.

Egg collecting in San Diego County stopped in the 1940's. All the eagle pairs, known from the 1890's through the 1936 publishing of the Dixon paper still existed as viable nesting pairs. These established territories of Golden Eagles hadn't changed much since they were first found. This is consistent with knowledge gathered by others to follow.

John Colton, studied many of the same Golden Eagle territories after Dixon stopped his work in the 1950's. John Oakley, (Professor Emeritus), who is WRI's co-director of the Golden Eagle Project studied the same area of San Diego County as Dixon. John Oakley started in the 1940's and reports that all the Dixon eagle territories still existed up until the 1970's. Dr. Tom Scott studied the Golden Eagle population of San Diego County in the late 1970's through the early 1980's. Dr. Scott looked at the causes of a decline in the Golden Eagle population in San Diego County that started in the early 1970's with the expansion of development in the western portion of San Diego County.

In 1987 a group of ten biologists gathered in La Jolla to express their common concern about what they all perceived was a precipitous decline of Golden Eagle territories in San Diego County. They began a survey to study all the known Golden Eagle territories and to establish if they were still active. In addition they initiated a volunteer group to survey the entire County of San Diego for all the Golden Eagles. By 1991 most of the

territories had been observed for Golden Eagle activity and a few previously undocumented territories had been discovered.

Simultaneous with this survey the Wildlife Research Institute directed by Dave Bittner had also been investigating Golden Eagles in San Diego. In 1991 the two Golden Eagle surveys were combined under a cooperative agreement with John Oakley, Craig Culver and Dave Bittner directing the efforts. In 2001 the research on Golden Eagles is still ongoing and is currently co-directed by John Oakley and Dave Bittner.

Current research and historical data has allowed us to establish both the original and the current Golden Eagle population for San Diego County. Historically within San Diego County there were at least 85 pairs of Golden Eagles living in well established, distinct territories.

Current Status: Golden Eagles in San Diego County

The Golden Eagle territories that were know to James Dixon have had the most serious decline of any population known in North America. The original 28 Golden Eagle territories Dixon studied have been extirpated to a current 11 active territories. This is a decline of 61% of this population of Golden Eagles. (NOTE:Territory # 17 on the attached map is the Iron Mountain Pair as Dixon illustrated it in 1936. Territory #4 has been extirpated since the map was prepared.)

San Diego County has had a decline throughout the county from the original 85 pairs to the current forty two (42) pairs with active territories. County-wide this represents a decline of fifty one percent (51%) of all the Golden Eagles nesting and breeding. Additionally six (6) of the forty two (42) pairs are considered to be in immediate threat of extirpation. One of the Golden Eagle pairs considered in immediate threat of extirpation is the Iron Mountain Pair.

The Threat:

Golden Eagles become extirpated from territories when a combination of factors come together. These factors are usually related to changes in the foraging area that causes the eagles to no longer be able to hunt or human caused nest site disturbance which affects reproduction. Since Golden Eagles use well defined territories, that they defend from other eagles, we are able to locate the main foraging areas and the nest sites within the territory. Over time foraging areas shift very little and the nest sites remain very constant. In fact one pair of Golden Eagles is still nesting on the very same nest ledge, on a cliff that James Dixon collected eggs from in 1895. This is how stable Golden Eagle territories are if left undisturbed.

Foraging areas can shift in response to fires or changes in farming practices but the size of the territory remains rather constant. Golden Eagles defend a large territory of between 20 and 30 square miles. However, they use only a portion of this territory for

nesting and foraging. Defending a large territory keeps eagles spread out and allows for adequate food supply to feed themselves and raise young. Major changes within a territory must take place before Golden Eagles cease to breed then finally become totally extirpated.

Extirpation:

This process is a local extinction of an animal. With Golden Eagles that we have studied in San Diego County, the process usually takes several years to accomplish. The process of extirpation is not easy to detect unless constant monitoring is done but can be predicted by monitoring the changes in the territory.

In San Diego County the process usually goes like this. Development starts, in the form of housing, industry or agriculture changes from ranching to groves of avocados or oranges. Over time, expanding development, removes more and more available foraging land within the Golden Eagle territory. The Eagles respond by slowing down reproduction, because they cannot sustain themselves and young in the nest due to a decline in available prey animals. After a few years the development may also lead to increased people climbing and hiking near the nest site causing disturbance which further reduces successful reproduction. Finally all reproduction stops and the old adult eagles carry out their remaining years as best they can within the territory. Once one of the pair dies the remaining lone eagle cannot find a suitable replacement since the territory is degraded and no, potential replacement eagle, recognizes the territory as suitable. Therefore the lone eagle either leaves the territory to become a replacement mate in another territory or dies within the degraded territory of natural or manmade causes. The territory is now completely extirpated.

San Diego County has over 40 Golden Eagle Territories that have been Extirpated since the 1970's. To date, not one of these extirpated territories has ever been reoccupied by a nesting pair of Golden Eagles.

Extirpation can take five to ten years depending on the rate of development and the accidental death of one or both of the Golden Eagle pair. Once a territory is destroyed by development there is nowhere else for the territorial eagles to go since all available and remaining, suitable territories are occupied by other eagles.

Currently, in San Diego County, reproduction is barely staying ahead of mortality. Several pairs of Golden Eagles currently have replacement mates that are still in juvenile plumage and are not yet old enough to successfully reproduce. This is a telling sign of lack of available Floaters. Floaters, is a term used to describe young adult eagles that do not have breeding territories or mates but, float around the edges of territorial pairs. These floaters, in a natural healthy population, are usually recruited quickly by a territorial adult eagle who has lost a mate.

Recruitment of juvenile eagles as mates is not a sign of a healthy population. This is a sign of a population without sufficient reproduction or survivability of young to adulthood. It can also signal premature adult mortality.

Known reproduction to fledging, in 2000, was only 15 young from all 42 pairs. Reproduction to fledging, in 2001, was likewise only 17 eagles. This is low but adequate for replacement if survivability to adulthood is high. Survivability and recruitment is something we are currently researching. However, preliminary information indicates that juvenile survivability in San Diego County is low.

Iron Mountain Golden Eagles, Current Status:

Prior to 1974 the Iron Mountain Golden Eagles nested on nearby Mt. Woodson. This was prior to the climbing and hiking trails and the expansion of broadcast Antennas on the top of Mt.. Woodson. After 1974 the Golden Eagles moved to a nest on Iron Mountains' Sole Peak and abandoned the Mt. Woodson site. Sole Peak, is a large rock outcropping, approximately 200 feet high, facing north east and overlooking the Ramona Valley. Sole Peak is approximately one mile southeast of Mt. Woodson and 3/4 mile north of Iron Mountain's main peak.

Movement of a nest site is not unusual because eagles will often have several nests on the same or nearby cliffs. However, moving in reaction to disturbance, is unusual, but can be done if their are optional nest sites nearby. The Iron Mountain pair of Golden Eagles are running out of options for undisturbed nest sites.

Since 1974 when the Golden Eagles moved their nest site to Iron Mtn's, Sole Peak they enjoyed very little disturbance until very recently. The development of Iron Mountain as an open space park by the City of Poway placed many hikers and rock climbers on top of Iron Mountain. This has caused some nest site disturbance and loss of breeding success from the pair.

1996 was the last time that the pair actually fledged two young. Since then a series of factors has caused the pair to fail each year in producing young. They have attempted several times since 1996 to lay eggs and incubate only to be driven off the nest during critical times by climbers, hikers and developers. In 1997 there was an illegally graded road bulldozed to within 800 feet of the nest site. Another year, 1998, just prior to courtship the male eagle was killed by hitting an electric wire on Dye Road. This prevented the female from finding a mate in time for the 1999 nesting season. In 2000 the female had found a new mate and eggs were laid only to be driven off the nest during incubation by a rescue team performing a helicopter medivac of a woman who had fallen while climbing the cliffs nearby. This lead to the eggs being lost to depredating ravens while the female eagle was off the nest due to the disturbance.

During the courtship for the current 2001 breeding season the Golden Eagles were paired and seen performing courtship in the territory. However we have had no

observed egg laying or incubation on Sole Peak. The Golden Eagles did add new nest material to their old nest at Sole Peak in 2001 and currently remain a viable pair. The eagles failed to breed successfully in 2001 although they continue to be seen above the cliffs and in the known foraging areas.

Factors that are known to be affecting the Iron Mtn. Golden Eagles are:

- 1) Development of rangeland in Ramona and Poway to housing and other uses.
- 2) Changes of natural grassland to disc and plow in Ramona prior to developing EIR's by developers. This ranch land, now owned by out of town developers, was former favored foraging habitat by the Iron Mtn. pair of Golden Eagles.
- 3) Poisoning of California Ground Squirrels by nearby horse ranchers and developers has recently caused the death of two Golden Eagles that we found. Many others may not have been found. The Golden Eagles catch, kill and eat the dying Ground Squirrels that have ingested poison. The eagles themselves then become sick and die from secondary poisoning.
- 4) Climbing and Hiking near or on the nest cliff of Sole Peak causing nest site disturbance. Nest disturbance can cause abandonment, dead embryos or loss of eggs and or baby eagles to other predators.
- 5) Disturbance caused by illegal grading on the slopes of Iron Mtn. and Sole Peak.
- 6) Increase density of housing throughout the foraging area of the eagles. This has caused more and more acres to be fenced with eucalyptus trees planted around smaller and smaller parcels of land. This breaking up of the habitat into small parcels surrounded by high trees makes foraging by Golden Eagles impossible.
- 7) Iron Mountain fire, creates open foraging in the long term but causes losses of foraging for several years after the fire.
- 8) Shooting has been a problem in the past and is suspected in the loss of a nearby pair.
- 9) Electrocution and Line Strikes have caused the death of the male in 1999. Additional development brings more poles, more lines and the increased risk to the Golden Eagles. This problem needs to be addressed if expansion is approved.

Effects of the proposed Salvation Army Camp Expansion on the Golden Eagles of Iron Mountain.

The issue of development and it's stress on Golden Eagles is complex and difficult, as are all biological systems. The reasons, for potential effects, have a lot to do with what is happening throughout the entire territory of the Golden Eagles in question. Cumulative effects of all of the factors that influence Golden Eagle behavior and affect their ability to thrive enter into a formula that is as complex as the territory of the Golden Eagles is diverse.

The more diverse and open the territory the easier it is for Golden Eagles to live and prosper. The more man takes away from the diversity and open space the more stress is placed on the Golden Eagle pair. Each acre of foraging habitat that is carved out of the territory and converted to other uses is one less acre available for the eagles and their young.

The Salvation Army camp is close to the Golden Eagle nest cliffs located on Sole Peak. The Golden Eagles nest is less than one half (1/2) mile from the western edge of the proposed expansion's footprint and only nine tenths of a mile from the nest to the current Salvation Army Headquarters Buildings. This distance is within the sphere of influence that could effect Golden Eagle Reproduction. Flight distance, (the distance at which an eagle would fly from the nest when approached by a human on foot), is between one half (1/2) and three quarters (3/4) of a mile. Since the proposed Salvation Army project would place up to an additional 800 people within this flight distance, the project could have adverse affects on the nesting of the Golden Eagles.

Any assumption that 800 people could live, hike and/or recreate within one half mile of the nest and not have an adverse impact could easily be challenged. This is even assuming that they would not be tempted to hike up to Sole Peak itself. Sole Peak is the most visible mountain peak from the camp. The cliffs and peak would be an inviting climbing destination for outdoor oriented people. If they do hike up it would result in even greater disturbance of the nesting Golden Eagles.

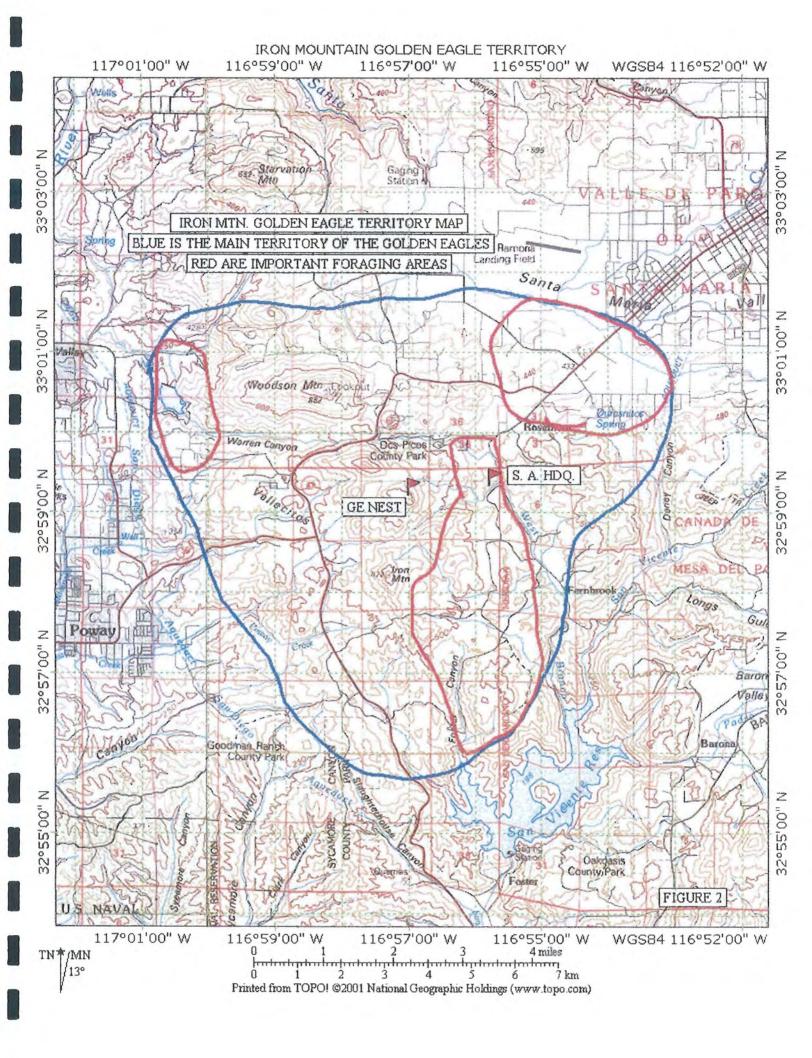
Additionally the open areas of the Salvation Army camp are part of an area used by the eagles to hunt. Therefore the loss of these open spaces could have an impact on foraging. The Golden Eagles continue to be seen at the other foraging areas (where we have observers) on a regular basis. Therefore we know that in 2001 the eagles are still active and will probably attempt to nest again in 2002.

Note: This report was prepared from existing WRI data and regular site visits. Active, weekly monitoring by WRI observers of the nest site in 2001 indicated a lower than normal nest site use. This could be a result of the eagles simply taking a year off from breeding or could indicate the beginning of extirpation. WRI will continue to monitor this pair in the future.

The Multiple Species Conservation Plan, (MSCP) has designated the Golden Eagle to be a target species for preservation and monitoring. This pair of Golden Eagles, nest within the MSCP, and are therefore under the rules adopted under the MSCP in coordination with the U.S. Fish and Wildlife Service, and the California Fish and Game. Currently lands nearby to the proposed Salvation Army expansion are being purchased to add to the protected areas in the MSCP. These areas include the Boulder Oaks ranch and the former Boys and Girls Club property. Current monitoring of this pair of Golden Eagles indicate that these properties along with Wildwood Ranch, Salvation Army and the Golden Eagle Ranch West represent an important foraging area for these eagles (see attached map).

CONCLUSIONS:

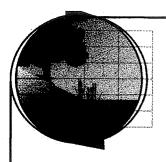
Based on the footprint and scope of the proposed Salvation Army expansion there is high probability of significant adverse affects to the Golden Eagles nesting on Iron Mountain's, Sole Peak. Direct disturbance and loss of foraging habitat are the two most significant criteria used to arrive at this conclusion.



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Appendix 11

45-day Letter Report of Quino Checkerspot Butterfly (*Euphydryas editha quino*) Focused Surveys for the Salvation Army Project



Merkel & Associates, Inc.

5434 Ruffin Road, San Diego, CA 92123 Tel: 858/560-5465 • Fax: 858/560-7779 e-mail: associates@merkelinc.com

> May 15, 2001 M&A #99-051-09

Ms. Christine Moen
Recovery Permit Coordinator
U. S. Fish and Wildlife Service – Carlsbad Fish and Wildlife Office
2730 Loker Avenue West
Carlsbad, California 92008

Re: 45-day Letter Report of Quino Checkerspot Butterfly (*Euphydryas editha quino*) Focused Surveys for the Salvation Army Project Located in Ramona, County of San Diego, Conducted under Federal Endangered Species Act, Section 10(a)(1)(A) permit #797999 and State California Endangered Species Act Memorandum of Understanding.

Dear Ms. Moen:

SUMMARY

Merkel & Associates, Inc. conducted focused surveys for the federally listed, endangered Quino Checkerspot Butterfly (*Euphydryas editha quino*) at the Salvation Army project site. The focused surveys were authorized under Federal Endangered Species Act, Section 10(a)(1)(A) permit #797999 and State California Endangered Species Act Memorandum of Understanding. The surveys followed the recommended guidelines of the U.S. Fish and Wildlife Service Quino Checkerspot Butterfly Survey Protocol dated January 2000. The project site contained approximately 100 acres of moderate to moderately-high quality Quino habitat. The site contained many nectaring resources, trails, open areas, hilltopping areas, and rock outcrops. However, the site lacked Dot-seed Plantain (*Plantego erecta*) which is the primary Quino Checkerspot Butterfly host plant. Only a few relatively small populations of secondary host plants, Purple Owl's Clover (*Castilleja exserta*) and Birds Beak (*Cordylanthus rigidus*), were found on-site. No Quino Checkerspot Butterflies were detected during the surveys.

INTRODUCTION

Merkel & Associates, Inc. (M&A) conducted focused Quino Checkerspot Butterfly (*Euphydryas editha quino*) presence/absence surveys for the Salvation Army project, at the request of BRG Consulting, Inc. on behalf of the Salvation Army. The purpose of this investigation was to determine the presence or potential presence of the Quino Checkerspot Butterfly (QCB) and whether suitable habitat occurs within the project study area.

LOCATION

The 565-acre project site is located in Sections 1 and 12 of Township 14 South, Ranges 1 West and 1 East of USGS 7.5' San Vicente Quadrangle, San Bernardino Base & Meridian (Figure 1). The site is located on San Diego County Land within the community of Ramona just east of Highway 67 off of Mussey Grade Road.

GENERAL PHYSIOGRAPHY

The project site is bounded on the northeast by Mussey Grade Road and on the west by extensive undisturbed chaparral. To the north, south, and southeast are areas of rural or development, and/or agricultural lands. The project site also lies on the County MSCP Subarea Plan boundary.

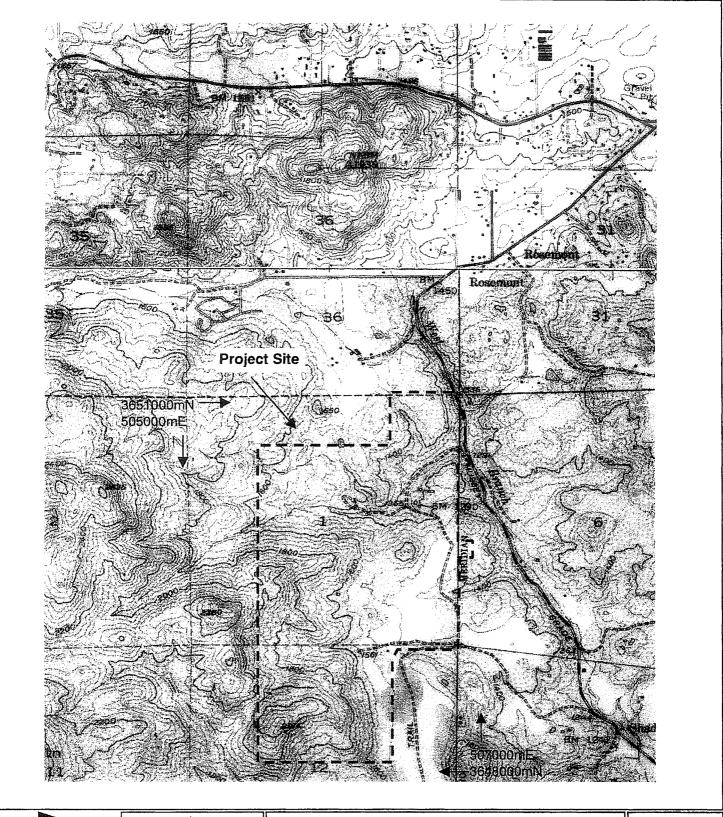
The project site lies within the Foothill Province of north central San Diego County. Topographically, the property is characterized by steep slopes in the eastern portions, which transform into rolling hills and pasture-like areas. These areas are occasionally bisected by intermittent and ephemeral drainages. The elevation of the site is between approximately 1300 to 2000 feet above the mean sea level.

METHODS

Site assessments were completed during previous site visits and biological work conducted by Merkel & Associates biologists. The previous work met the recommended guidelines specified in the USFWS QCB Survey Protocol dated January 2000. Biologists slowly searched for specific habitat components of the QCB (e.g., larval food plants, nectar resources, open/sparsely vegetated areas, suitable topographic features and dirt trails/roads) and mapped these locations as butterfly survey areas. Areas that did not contain potential QCB habitat (e.g. developed areas, non-native and closed-canopy vegetated areas) were mapped as excluded areas not requiring butterfly surveys as per USFWS QCB Survey Protocol.

The QCB flight season began in San Diego County on March 1, 2001. M&A biologists Vanessa A. Lee, Navroop K. Jassal, Antonette T. Gutierrez, Craig H. Reiser and Jean-Paul W. LaCount, authorized under Federal Endangered Species Act (ESA) section 10(a)(1)(A) permit #797999 and State California Endangered Species Act (CESA) Memorandum of Understanding (MOU), conducted all focused adult QCB surveys. The surveys were conducted according to the recommended guidelines noted in the USFWS QCB Survey Protocol. Biologists slowly walked all pre-determined butterfly survey areas, carefully followed the movements of butterflies, and periodically stopped within areas containing more favorable QCB conditions. Biologists recorded locations of all larval host plants, potential nectaring resources, and butterfly species detected within the study area.

The focused surveys were conducted at approximate weekly intervals, beginning on March 5, 2001 and lasting until the close of the QCB flight season on April 5, 2001 (Table 1). An additional survey was conducted after the close of the QCB flight season in order to offset missing an entire week of surveying due to inclement weather conditions. QCB survey dates and times varied according to weather and scheduling conditions, and individual biologists used professional judgement to comply with USFWS QCB protocol requirements as closely as possible. Biologists recorded field notes for each field survey.







Project Vicinity Map

Source: USGS 7.5' San Vicente Reservoir and San Pasqual, CA Quadrangles

Figure 1

Table 1. Summary of QCB Survey Dates, Times, Conditions, and Staff, and the Number of Acres Surveyed per Hour and Day.

Date (mm/dd/yyyy):	Survey	Time	Conditions (start-end)	Permitted Biologist(s)	Acres/ Hour	Acrès/ Day
3/5/2001	1	0930-1410	Weather: Sunny Wind: 3-5 (mph) Temp.: 65°-70°F	Vanessa A. Lee, Craig H. Reiser, Navroop K. Jassal	7.4	100
3/13/2001	2	0930-1530	Weather: Sunny Wind: 1-4 (mph) Temp.: 67°-74°F	Vanessa A. Lee, Antonette T. Gutierrez, Jean-Paul W. LaCount	5.6	100
3/15/2001	3	1000-1530	Weather: Partial Clouds Wind: 1-4 (mph) Temp.: 68°-70°F	Antonette T. Gutierrez, Navroop K. Jassal, Jean-Paul W. LaCount	6.1	100
*3/22/2001	-	1100-1230	Weather: Mostly Cloudy Wind: 1-3 (mph) Temp.: 64°-68°F	Vanessa A. Lee, Navroop K. Jassal, Kyle L. Ince	_	-
*3/26/2001	-	1145-1300	Weather: Mostly Cloudy Wind: 0-5 (mph) Temp.: 63°F	Vanessa A. Lee, Navroop K. Jassal, Kyle L. Ince	-	-
*3/29/2001	-	0900-1200	Weather: Mostly Cloudy Wind: 3-5 (mph) Temp.: 61°-62°F	Vanessa A. Lee, Antonette T. Gutierrez Craig H. Reiser	-	- ,
3/30/2001	4	0945-1530	Weather: Sunny Wind: 0-5 (mph) Temp.: 78°-83°F	Vanessa A. Lee, Jean-Paul W. LaCount	8.7	100
*4/02/2001	<u>-</u>	1045-1200	Weather: Mostly Cloudy Wind: 3-7 (mph) Temp.: 64°-60°F	Vanessa A. Lee, Navroop K. Jassal, Antonette T. Gutierrez	-	. -
4/05/2001	5	0930-1330	Weather: Sunny Wind: 3-5 (mph) Temp.: 65°-67°F	Vanessa A. Lee, Navroop K. Jassal, Jean-Paul W. LaCount	8.3	100
*4/10/2001		1020-1300	Weather: Mostly Cloudy Wind: 0-5 (mph) Temp.: 63°F	Vanessa A. Lee, Jean-Paul W. LaCount Stephen R. Rink	_	-
**4/13/2001	6	0930-1415	Weather: Sunny Wind: 1-8 (mph) Temp.: 67°-74°F	Antonette T. Gutierrez, Navroop K. Jassal, Jean-Paul W. LaCount	7.4	100

^{*}Surveys were attempted on these dates; however, due to inclement weather conditions, surveys were not completed.

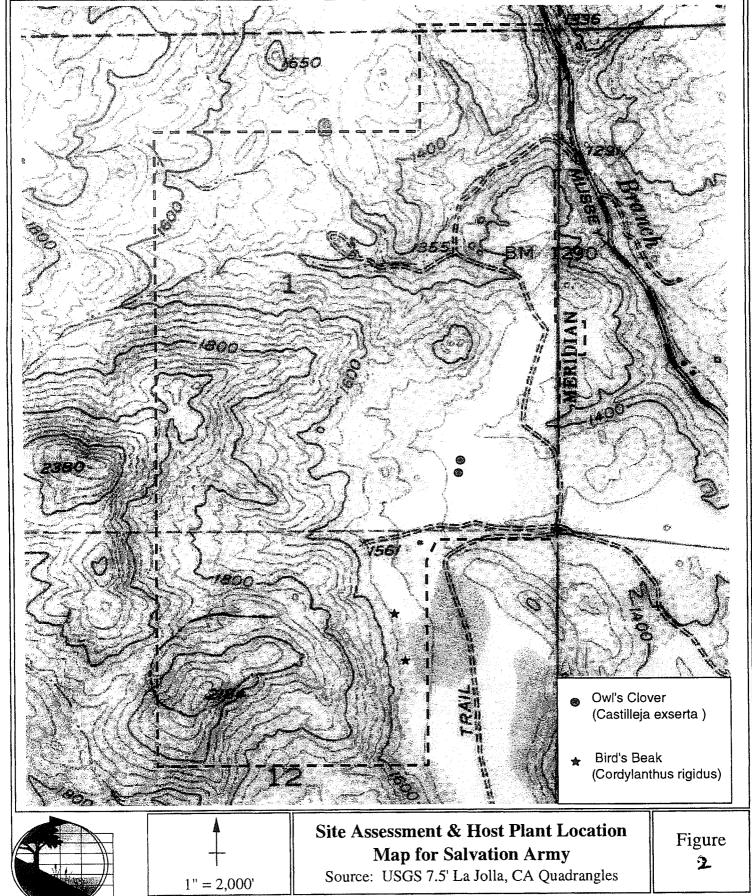
SCIENTIFIC NOMENCLATURE

Scientific nomenclature used in this report is from the following standard references: vegetation and communities, Holland (1986); flora, Skinner and Pavlik (CNPS) (1994), Hickman (1993); and butterflies, Garth and Tilden (1986);

RESULTS

Information regarding QCB survey areas, excluded areas, and QCB host plants are mapped on a 1" = 1,000' topographical map of the project site (Figure 2). Appendix 1 provides a list of butterfly species observed during the field surveys. Appendix 2 provides a copy of field notes for each focused survey conducted.

^{**}Additional Survey was conducted after the close of the flight season in order to offset missing a complete survey during Week 4 (3/16/2001-3/23/2001) due to inclement weather conditions.



SURVEY AREAS

Thirteen vegetation communities, according to current Holland Code descriptions, are identified within the study area: Non-Native Woodland, Disturbed, Urban/Developed, Diegan Coastal Sage Scrub, Southern Mixed Chaparral, Mafic Southern Mixed Chaparral, Coastal Sage-Chaparral Scrub, Non-Native Grasslands, Southern Coast Live Oak Riparian Forest, Mule Fat Scrub, Southern Willow Scrub, Emergent Wetland, and Coast Live Oak Woodland. Also present on-site are extensive areas of rock outcrop.

The following habitats were excluded from the QCB focused surveys because they exhibit characteristics unsuitable for potential QCB habitat, such as developed areas, non-native vegetation, and closed-canopy vegetation: Non-native Woodland, Urban/Developed, Southern Mixed Chaparral, Southern Coast Live Oak, Riparian Forest, Southern Willow Scrub, Mulefat Scrub, and Coast Live Oak Woodland. However, any accessible small paths or open areas within these excluded areas that contain suitable QCB habitat characteristics were surveyed.

The following text provides brief descriptions of the habitats surveyed. They are Disturbed Habitat, Diegan Coastal Sage Scrub, Coastal Sage-Chaparral Scrub, Mafic Southern Mixed Chaparral, Nonnative Grassland, and Emergent Wetland.

Disturbed Habitat - Oberbauer Code 11300

Disturbed habitats on the site include the areas around the existing development that have been historically cleared or brushed and are maintained through a similar regime. These areas include, but are not limited to, maintained dirt roads and trails.

Because several species of butterflies including the Quino Checkerspot Butterfly typically fly along trails and disturbed areas, the areas of disturbed habitat have been included in the focused surveys. Furthermore, Dot-seed Plantain (*Plantego erecta*), the primary QCB host plant, often occurs in disturbed areas. Although Dot-seed Plantain was not found onsite, these areas were continuously examined for potential primary host plant growth during the focused surveys. Two relatively small populations of Purple Owl's Clover (*Castilleja exserta*), a QCB secondary host plant, were found within disturbed areas.

Diegan Coastal Sage Scrub - Holland Code 32500

Diegan Coastal Sage Scrub includes a dominance of low, soft-woody sub-shrubs that are typically drought deciduous. California Sagebrush (Artemesia californica) and Flat-top Buckwheat (Eriognum fasiculatum) are most common with significant incursions of Laurel Sumac (Malosma laurina) and White Sage (Salvia apiana). Flat-top Buckwheat is a common nectar source for many butterflies; however very few plants were in flower at the time of the surveys. Other nectar sources such as Ranchers Fireweed (Amsinckia menziesri), Cryptantha (Cryptantha intermedia), Common Goldsfields (Lasthenia californica), Wild Hyacinth (Dichelostemma capitatum) and Blue-eyed-grass (Sisyrmchiun bellum) are found within this habitat.

Although not found, host plants such as Dot-seed Plantain and Purple Owl's Clover are also generally known to occur in this habitat. In fact, two small populations of Bird's Beak (Cordylanthus rigidus), another secondary host plant, occur in the southern area of Diegan Coastal Sage Scrub.

Mafic Southern Mixed Chaparral - Holland Code 37122

Southern Mixed Chaparral accounts for most of the on-site chaparral, but it is replaced at the higher elevation with Mafic Southern Mixed Chaparral. This habitat contains much of the same species as the Southern Mixed Chaparral including Chamise (*Adenostoma fasiculatum*), Mission Manzanita (*Xylococcus bicolor*), Our Lord's Candle (*Yucca whipplei*), and a few species of Ceanothus.

All accessible open areas within this vegetation community were surveyed. These areas contain many rock outcrops that provide suitable habitat for Dot-seed Plantain and other nectar resources. Although Dot-seed Plantain was not found, these areas were carefully examined during each survey in order to check for late emergence.

Coastal Sage-Chaparral Scrub - Holland Code 37G00

A mix of sclerophyllous, woody chaparral species and drought-deciduous, malacophyllous sage scrub species characterize this habitat (Holland 1986). Areas mapped as chaparral scrub on-site contain predominately chaparral associated species with irregular sage scrub species presence. This habitat contains some open areas and many of the same nectar sources as Southern Mixed Chaparral and Diegan Coastal Sage Scrub.

Non-native Grasslands - Holland Code 42200

Non-native Grasslands are well distributed in the central portion of the site. Such communities develop most commonly where native scrub has been disturbed by grazing, discing, or fire. They usually occur in close association with rural land uses. Local grasslands have a preponderance of non-native grasses and forbs, such as the bromes and wild oats, with only occasional representation from native elements. Although this habitat is dominated by non-native vegetation, the Quino Checkerspot Butterfly is generally associated with grasslands among other habitats. Therefore, the Non-native Grasslands were included in the focused surveys despite the dominance of non-native vegetation.

The primary available nectar resource in this habitat is the Short-beak Filaree (*Erodium brachycarpum*). Other potential nectar resources include Red Maids (*Calandrinia cillata*), Scarlet Pimpernel (*Anagallis arrensis*), and Short-pod Mustard (*Hirschfeldia incana*).

Emergent Wetland - Oberbauer Code 52440 from Holland 52400

Small, isolated patches of Emergent Wetland occur within the Non-native Grassland. This habitat consists of herbaceous wetland species such as Common Monkeyflower (*Mimulus guttatus*), Grass Poly (*Lythrum hyssopifolia*), and Pale Spike-Sedge (*Eleocharis macrostachya*). Because these patches of wetlands occur within the Non-native Grasslands, they were included in the focused surveys.

FOCUSED PRESENCE/ABSENCE SURVEYS FOR THE QUINO CHECKERSPOT BUTTERFLY

No Quino Checkerspot Butterflies were observed on-site during the focused surveys. The most common butterfly species observed were the West Coast Lady (Vanessa anabella), Painted Lady (Vanessa cardui), Funeral Duskywing (Erynnis zarucco funeralis), Mournful Duskywing (Erynnis tristis), and Sara Orangetip (Anthocharis sara). Also seen were the Southern Blue (Glaucopsyche lygdamus australis), Acmon Blue (Icaricia acmon), Brown Elfin (Incisalia augustinus), Perpelxing Hairstreak (Callophrys perplexa), and Pale Swallowtail (Papilio eurymedon). Appendix 1 gives a more complete list of butterfly species observed on-site.

DISCUSSION

POTENTIAL QUINO CHECKERSPOT BUTTERFLY HABITAT QUALITY

Approximately 100 acres of potential Quino Checkerspot Butterfly habitat occur on the project site. Habitat quality has been determined to be moderate to moderately-high due to the ample occurrence of nectaring plants and trails, several hilltoping areas and rock outcrops, and the presence of host plants. Although a few populations of secondary host plants are found on-site, they are relatively small stands consisting of approximately 45-60 individual plants. Furthermore, the primary host plant, Dot-seed Plantain, does not occur onsite despite the presence of suitable habitat for this plant species.

POTENTIAL QUINO CHECKERSPOT BUTTERFLY PREDATORS

No potential Quino checkerspot butterfly predators, such as earwigs, sowbugs, and exotic ant species were observed at the Salvation Army site. However, because these pest insects typically follow urban/rural development and human disturbances and the site currently supports recreational uses and facilities, it is expected that these predatory species occur in and around the Urban/Developed areas on-site.

If you have any additional questions concerning the QCB work conducted for the Salvation Army project, please call me at (858) 560-5465.

Sincerely,

Vanessa A. Lee Associate Biologist/Project Manager

cc: BRG Consulting, Inc.

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- United States Department of the Interior, Fish and Wildlife Service. Year 200 Survey Protocol for the Endangered Quino Checkerspot Butterfly (*Euphydryas editha quino*). January, 2000.

APPENDIX 1. BUTTERFLY SPECIES OBSERVED

Common Name

Scientific Name

BUTTERFLIES

Papilionidae (Swallowtail Butterflies)

Pale Swallowtail Papilio eurymedon

Western Tiger Swallowtail Papilio rutulus

Pieridae (White, Orange-tip, and Sulfur Butterflies)

Sara Orangetip Anthocharis sara

Nymphalidae (Brush-footed Butterflies)

California Ringlet Coenonympha californica

Mourning Cloak
West Coast Lady
Vanessa anabella
Painted Lady
Vanessa cardui
Lorquin's Admiral
Basilarchia lorquini

Eorquin's Admirai Basitarcitta torquin

Lycaenidae (Hairstreak, Copper, and Blue Butterflies)
Perplexing Hairstreak

Callophrys perplexa

Southern Blue Glaucopsyche lygdamus australis

Sonoran Blue Philotes sonorensis
Acmon Blue Icaricia acmon
Brown Elfin Incisalia augustinus

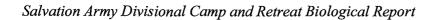
Hesperidae (Skipper Butterflies)

Funereal Duskywing Erynnis zarucco funeralis

Mournful Duskywing Erynnis tristis

Riodinidae (Metalmarks)

Behr's Metalmark Apodemia mormo virgulti



Appendix 12

Intensified Wetland Delineation Forms

DATA FORM ROUTINE WETLAND DETERMINATION

(1987 COE Wetlands Delineation Manual)

Project/Site: Applicant/Owner: Investigator:	Salvation Army Salvation Army Vanessa A. Lee, Melissa A. Bo	oker, and Ka	ara A. Altvater	Date: County: State:	17 December 2001 San Diego California
		⊠ Yes □ Yes □ Yes	□ No ⊠ No ⊠ No	Community ID: Transect ID: Plot ID:	CLORF DP 1A, PP 1A

VEGETATION

Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
T	FACW	9.		
T	NI	10.		
Н	FACW	11.		
Н	NI	12.		
Н	NI	13.		
	1	14.		
		15.		
		16.		
	Stratum T T H H	T FACW T NI H FACW H NI	T FACW 9. T NI 10. H FACW 11. H NI 12. H NI 13. 14.	T FACW 9. T NI 10. H FACW 11. H NI 12. H NI 13. 14.

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 40%

Remarks: Data point lies in grouping of Western Sycamores (<u>Platanus racemosa</u>) within Southern Coast Live Oak Riparian Forest vegetation. Corps determination shows that area does not meet hydrophytic vegetation criteria; however, per County direction, area is considered a County RPO wetland.

 ☐ Recorded Data (Described in Remarks): ☐ Stream, Lake, or Tide Gauge ☐ Aerial Photographs ☐ Other ☐ No Recorded Data Available 	Wetland Hydrology Indicators: Primary Indicators: Inundated Saturated in Upper 12 inches Water Marks Drift Lines
Field Observations: Depth of Surface Water: Depth to free Water in Pit Depth of Saturated Soil: (in.)	☐ Sediment Deposits ☐ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: No hydrology indicators.	

SOILS Map Unit Name Drainage Class: Moderately well drained (Series and Phase): Visalia sandy loam Field Observations Confirm Mapped Type? Taxonomy (Subgroup): Pachic Haploxerolls □ No **Profile Description:** Mottle Colors Mottle Depth Matrix Color (Abundance/Contrast) Texture, Concretions, Structure, etc. (inches) (Munsell Moist) (Munsell Moist) Horizon Sandy loam 0-14 10YR 3/3 Hydric Soil Indicators: Concretions ☐ Histosol Histic Epipedon High Organic Content in surface layer in Sandy Soils Sulfidic Odor Organic Streaking in Sandy Soils ☐ Listed on Local Hydric Soils List Aquic Moisture Regime ☐ Listed on National Hydric Soils List ☐ Reducing Conditions ☐ Other (Explain in Remarks) ☐ Gleyed or Low-Chroma Colors Remarks: No hydric soil indicators. WETLAND DETERMINATION Ø Hydrophytic Vegetation Present? No X Wetland Hydrology Present? No Yes \boxtimes Is this Sampling Point Within a Wetland? [] No Hydric Soils Present? Yes No Remarks: Area does not qualify as an ACOE jurisdictional wetland. Area is jurisdictional under CDFG only as Adjacent Riparian vegetation. Finally, per County direction, the area is also considered an RPO Wetland even though the area does not meet any of the three wetland parameters.

DATA FORM ROUTINE WETLAND DETERMINATION

(1987 COE Wetlands Delineation Manual)

Project/Site: Applicant/Owner: Investigator:	Salvation Army Salvation Army Vanessa A. Lee, Melissa A. Boo	oker, and Ka	ra A. Altvater	Date: County: State:	17 December 2001 San Diego California
		⊠ Yes ⊠ Yes □ Yes	□ No □ No ⊠ No	Community ID: Transect ID: Plot ID:	CLORF T 1, Oft DP 2A, PP 2A

VEGETATION

Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
Т	NI	9.		
S	NI	10.		
Н	FACU	11.		
	i	12.		
		13.		
		14.		
		15.		
		16.		
OBL. FACW	or FAC (excl	uding FAC-). 0%		
	S H	T NI S NI H FACU	T NI 9. S NI 10. H FACU 11. 12. 13. 14.	T NI 9. S NI 10. H FACU 11. 12. 13. 14. 15.

Immediate area potentially has abnormal conditions due to disturbance from the road.

Recorded Data (Described in Remarks):	Wetland Hydrology Indicators:
☐ Stream, Lake, or Tide Gauge	Primary Indicators:
☐ Aerial Photographs	☐ Inundated
☐ Other	☐ Saturated in Upper 12 inches
☐ No Recorded Data Available	☐ Water Marks
	☐ Drift Lines
Field Observations:	☐ Sediment Deposits
Depth of Surface Water: (in.)	☐ Drainage Patterns in Wetlands
Depth to free Water in Pit (in.)	Secondary Indicators (2 or more required):
Depth of Saturated Soil: (in.)	Oxidized Root Channels in Upper 12 Inches
	☐ Water-Stained Leaves
	☐ Local Soil Survey Data
	☐ FAC-Neutral Test
	☐ Other (Explain in Remarks)
Remarks: No hydrology indicators.	
·	

SOILS

Map Unit Name		_		Drainage		
(Series and Phase):	Visalia sa	ly well drained				
Taxonomy (Subgrou	m). Daghig I	Uanlover	-11 <i>a</i>		servations Mapped Type?	Yes □ No
Taxonomy (Subgrou	ip). Facilité i	партолет	2118	Commin	Mapped Type:	
Profile Description:						
Depth	Mat	rix Color		tle Colors	Mottle	
		sell Moist)	(Mun	sell Moist)	(Abundance/Contrast)	Texture, Concretions, Structure, etc. Sandy loam with high
0-6	103	YR 2/2				concentration of humus
6-14	101	YR 2/2				Sandy loam
i 			-			
TT1-1- C-11 T11- 4						
Hydric Soil Indicate	ors:		Г	☐ Concretion	anc.	
☐ Histosol☐ Histic Epi	inadan		- -		anic Content in surface la	over in Sandy Soils
☐ Histic Epi ☐ Sulfidic C			ř		Streaking in Sandy Soils	1901 In Buildy Solid
	oisture Regime		Ī		Local Hydric Soils List	
☐ Reducing			Ī		National Hydric Soils L	ist
	r Low-Chroma (Colors	Ī		kplain in Remarks)	
				`	<u> </u>	
Remarks: No hy	dric soil	indicato	rs. '	There is	possibly fill mat	cerial from road
construction.						
H						
•						
WETLAND DE	TERMINAT	YON				
Hydrophytic Vegeta	ation Present?	Yes	No			
, , · · · · · · · · · · · · ·		<u> </u>		_		
Wetland Hydrology	Present?	Yes 🗌	No	$\boxtimes \mid$		
		_				w 10 v
Hydric Soils Preser	nt?	Yes 🗌	No	Is thi	s Sampling Point Within	a Wetland? Yes ☐ No ☒
<u> </u>					h	therm Coast Live Oak
	point locat	ed on th	e edg	e of mair	road beneath Sou	thern Coast Live Oak owever, it is jurisdictional
Riparian Fore under CDFG as	at. IIIIS (area doe: Riparian	a noc habit	quarrry cat.	as a weetana. He	,, to is juitbutocional
		- <u>r</u>				
11						
\1 1						

DATA FORM ROUTINE WETLAND DETERMINATION

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army Salvation Army Vanessa A. Lee, Melissa A. Booker, and Kara A. Altvater			Date:	17 December 2001
Applicant/Owner:				County:	San Diego
Investigator:				State:	California
		☐ Yes ⊠ Yes ☐ Yes	⊠ No □ No ⊠ No	Community ID: Transect ID: Plot ID:	CLORF T 1, 10ft DP 3A, PP 3A

VEGETATION

Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
T	NI	9.		
S	NI	10.		
Н	FACU	11.		
		12.		
		13.		L.
		14.		
		15.		
		16.		
	T S	T NI S NI	T NI 9. S NI 10. H FACU 11. 12. 13. 14.	T NI 9. S NI 10. H FACU 11. 12. 13. 14.

Remarks: No hydrophytic plants present. Data point located near main road. Immediate area potentially has abnormal conditions due to disturbance from the road.

□ Recorded Data (Described in Remarks):	Wetland Hydrology Indicators:
☐ Stream, Lake, or Tide Gauge	Primary Indicators:
Aerial Photographs	☐ Inundated
Other	☐ Saturated in Upper 12 inches
☐ No Recorded Data Available	☐ Water Marks
	☐ Drift Lines
Field Observations:	☐ Sediment Deposits
Depth of Surface Water: (in.)	☐ Drainage Patterns in Wetlands
Depth to free Water in Pit (in.)	Secondary Indicators (2 or more required):
Depth of Saturated Soil: (in.)	Oxidized Root Channels in Upper 12 Inches
	☐ Water-Stained Leaves
	☐ Local Soil Survey Data
	☐ FAC-Neutral Test
	Other (Explain in Remarks)
Remarks: No hydrology indicators.	
1 31	·

SOILS									
Map Unit Name									
(Series and Pha	.se): Visalia	a sandy lo	oam		Drainage Field Ob		y well draine	<u>ed</u>	
Taxonomy (Sul	Field Observations Taxonomy (Subgroup): Pachic Haploxerolls								
						, , , , , , , , , , , , , , , , , , ,			
Profile Descript	tion:	5.5 · · · · · · · · · · · · · · · · · ·		3.5 ut-	~ 1 <u>-</u>	N. K 441			
Depth (inches)	Horizon	Matrix Colo (Munsell Moi		Mottle (Munsel		Mottle (Abundance/Contrast)	Texture Concre	etions, Structure, etc.	
0-14	HOFIZON	10YR 3/3		(Munser		(Abundance/Contrast)		ly loam	
			\rightarrow						
			1						
	-		\rightarrow						
Hydric Soil Ind	licators:			-			L		
Histo					Concretio	ons			
☐ Histic	ic Epipedon					ganic Content in surface lay	yer in Sandy Soils		
	idic Odor	-				Streaking in Sandy Soils			
	ic Moisture Reg					n Local Hydric Soils List	.1	İ	
	acing Condition red or Low-Chr					n National Hydric Soils Lis xplain in Remarks)	it.		
	SU OI LOW-CILL	10IIIa Coloro		_	Onioi (L.	хріаш ш кошшко,			
Remarks: No	hvdric s	oil indic	ator	s. The	ere is	possibly fill mate	erial from ro	ad	
construction		J		J.	7	P			
1								!	
<u> </u>									
WETLAND	DETERMI	INATION							
Hydrophytic Ve			一	No 🗵	जा -				
Пушорпунс 🔻	egetation i ross	Cliti 1 Co	L	INO 🛌	7				
Wetland Hydro	ology Present?	Yes		No 🗵	⊿				
ľ					_	· · · · · · · · · · · · · · · · · ·			
Hydric Soils Pr	resent?	Yes	Ш	No 🗵	Is thi	s Sampling Point Within a	Wetland? Yes	□ No 🏻	
Damarka, Dat		tod no		ro	bane	eath Southern Coast	- Timo Oak Ri		
This area						eath southern coast vever, it is juriso	dictional und	er CDFG as	
Adjacent R	iparian ha	abitat.							

DATA FORM ROUTINE WETLAND DETERMINATION

(1987 COE Wetlands Delineation Manual)

Project/Site: Applicant/Owner:	Salvation Army Salvation Army			Date: County:	17 December 2001 San Diego
Investigator:	Vanessa A. Lee, Melissa A. Boo	State:	California		
	tances exist on the site? httly disturbed (Atypical Situation)? al Problem Area?	□ Yes ⊠ Yes □ Yes	⊠ No □ No ⊠ No	Community ID: Transect ID: Plot ID:	CLORF T 1, 20ft DP 4A, PP 4A
(If needed, expla					

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator				
1. Quercus agrifolia	T	NI	9.						
2. Arctostaphylos glandulosa	S	NI	10.						
3. Stellaria media	Н	FACU	11.						
4.			12.						
5.			13.						
6.			14.						
7.			15.						
8.			16.						
Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0% Remarks: No hydrophytic plants present. Data point located near main road. Immediate area potentially has abnormal conditions due to disturbance from the road.									

 ☐ Recorded Data (Described in Remarks): ☐ Stream, Lake, or Tide Gauge ☐ Aerial Photographs ☐ Other ☐ No Recorded Data Available 	Wetland Hydrology Indicators: Primary Indicators: Inundated Saturated in Upper 12 inches Water Marks Drift Lines
Field Observations: Depth of Surface Water: Depth to free Water in Pit Depth of Saturated Soil: (in.)	☐ Sediment Deposits ☐ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: No hydrology indicators.	

SOILS

SOILS					·				
Map Unit Name		"- "-		_					
(Series and Phas	se): Visalia	a sandy lo	am			y well drained			
	Field Observations								
Taxonomy (Sub	group): Pacl	nic Haplox	erolls_	Confir	n Mapped Type?	Yes No			
Profile Descript	ion:	M	* * * * * * * * * * * * * * * * * * *	C 1	M. 41-				
Depth	** .	Matrix Colo		e Colors	Mottle	Tautura Compostiona Structura etc			
(inches)	Horizon	(Munsell Moi 7.5YR 3/2		ell Moist)	(Abundance/Contrast)	Texture, Concretions, Structure, etc. Sandy loam			
0-14		7.51K 3/2	-			Barray Team			
Hydric Soil Indi	icators:		L						
☐ Histor				Concret	ions				
	Epipedon				ganic Content in surface la	ver in Sandy Soils			
	lic Odor				Streaking in Sandy Soils	,,			
	Moisture Re	gime			n Local Hydric Soils List				
	cing Condition				n National Hydric Soils Lis	st			
	ed or Low-Chi			Other (1	Explain in Remarks)				
Remarks: No	hydric so	oil indica	tors. T	here is	possibly fill mat	erial from road			
construction	on.								
WETLAND	DETERMI	NATION							
Hydrophytic Ve	egetation Pres	ent? Yes	☐ No						
Wetland Hydro	logy Present?	Yes	☐ No	\boxtimes					
			□ ••	<u></u>	' C	W (1 10 W) 37 K			
Hydric Soils Pr	esent?	Yes	∐ No	∐ Is th	us Sampling Point Within a	Wetland? Yes 🗌 No 🛛			
B 1 -						t Time Oak Dimension Ferrat			
Kemarks: Dat	a point lo	ocated nea	r main r	oad ben	eath Southern Coas.	t Live Oak Riparian Forest. dictional under CDFG as			
This area of Adjacent R			a wetiai	ıа. но	wever, it is juils	dictional under CDFG as			
indjacenic K.	- Par ran 116								
ł									
1									
	·					Approved by HQUSACE 3/92			
						Approved by HQUSACE 3/92			

DATA FORM ROUTINE WETLAND DETERMINATION

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army			Date:	17 December 2001
Applicant/Owner:	Salvation Army			County:	San Diego
Investigator:	Vanessa A. Lee, Melissa A. Boo	State:	California		
Do normal circumst	ances exist on the site?	⊠ Yes	□ No	Community ID:	CLORF
Is the site significan	tly disturbed (Atypical Situation)?	☐ Yes	⊠ No	Transect ID:	T 1, 30ft
Is the area a potential	al Problem Area?	⊠ No	Plot ID:	DP 5A, PP 5A	
(If needed, expla	in on reverse.)				

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator			
1. Quercus agrifolia	Т	NI	9.					
2. Arctostaphylos glandulosa	S	NI	10.					
3. Stellaria media	Н	FACU	11.					
4.			12.					
5.			13.					
6.	Ì		14.					
7.			15.					
8.			16.					
Percentage of Dominant Species that are	OBL, FACV	V or FAC (exclu	ading FAC-). 0%					
Remarks: No hydrophytic plants present. Data point located near main road. Immediate area potentially has abnormal conditions due to disturbance from the road.								

Recorded Data (Described in Remarks):	Wetland Hydrology Indicators:		
☐ Stream, Lake, or Tide Gauge	Primary Indicators:		
🛛 Aerial Photographs	☐ Inundated		
☐ Othe r	☐ Saturated in Upper 12 inches		
☐ No Recorded Data Available	☐ Water Marks		
	☐ Drift Lines		
Field Observations:	☐ Sediment Deposits		
Depth of Surface Water: (in.)	☐ Drainage Patterns in Wetlands		
Depth to free Water in Pit (in.)	Secondary Indicators (2 or more required):		
Depth of Saturated Soil: (in.)	Oxidized Root Channels in Upper 12 Inches		
	☐ Water-Stained Leaves		
	☐ Local Soil Survey Data		
	☐ FAC-Neutral Test		
	Other (Explain in Remarks)		
Remarks: No hydrology indicators.			

SOILS

							····					
Map Unit Name												
(Series and Phas		sandv l	oam		Dra	inage	Class:	Moderate	ly well d	rained		1
(501105 0110 1 1105	Field Observations											
Taxonomy (Subgroup): Pachic Haploxerolls Confirm Mapped Type? 🛮 Yes 🔲 No												
												l
Profile Descripti	ion:											
Depth		Matrix Colo	or	Mott	le Colo	ors	Mo	ttle				
(inches)	Horizon (Munsell Mo	ist)	(Muns	sell Mo	ist)	(Abundance	e/Contrast)	Texture,	Concretio	ons, Structure,	etc.
0-14		10YR 2/2							1	Sandy		
									 	-		
					-							
												
77 11 0 117 1	· .								1	-		
☐ Histic ☐ Sulfid ☐ Aquic ☐ Reduc ☐ Gleye Remarks: No	Hydric Soil Indicators: Histosol Histic Epipedon Sulfidic Odor Organic Streaking in Sandy Soils Aquic Moisture Regime Reducing Conditions Gleyed or Low-Chroma Colors Remarks: No hydric soil indicators. There is possibly fill material from road construction.											
Hydrophytic Ve		<u>_</u>		No	X			-			·	
п нушорпунс уе	getation riese	ent? Yes	لــا	110								
Wetland Hydrol	logy Present?	Yes		No	\boxtimes							
												71
Hydric Soils Pro	esent?	Yes	Ш	No		ls this	Sampling P	oint Within	a Wetland?	Yes	∐ No ▷	7
This area o	Remarks: Data point located near main road beneath Southern Coast Live Oak Riparian Forest. This area does not qualify as a wetland. However, it is jurisdictional under CDFG as Adjacent Riparian habitat.											
_												

DATA FORM ROUTINE WETLAND DETERMINATION

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army Salvation Army Vanessa A. Lee, Melissa A. Boo	Date:	17 December 2001		
Applicant/Owner:		County:	San Diego		
Investigator:		State:	California		
		⊠ Yes □ Yes □ Yes	□ No ⊠ No ⊠ No	Community ID: Transect ID: Plot ID:	CLORF T 1, 40ft DP 6A, PP 6A

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator			
1. Quercus agrifolia	T	NI	9.					
2. Bromus diandrus	H	NI	10.					
3.			11.					
4.			12.					
5.			13.					
6.			14.					
7.			15.					
8.			16.					
Percentage of Dominant Species that are	OBL, FACV	or FAC (exclu	ıding FAC-). 0%					
Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0% Remarks: No hydrophytic plants present.								

 ☐ Recorded Data (Described in Remarks): ☐ Stream, Lake, or Tide Gauge ☐ Aerial Photographs ☐ Other ☐ No Recorded Data Available 	Wetland Hydrology Indicators: Primary Indicators: Inundated Saturated in Upper 12 inches Water Marks Drift Lines
Field Observations: Depth of Surface Water: Depth to free Water in Pit Depth of Saturated Soil: (in.)	☐ Sediment Deposits ☐ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: No hydrology indicators.	

SOILS				
Map Unit Name	, ****		Orainage Class: Moderately	
(Series and Phase): Visa	y well drained			
			Field Observations	
Taxonomy (Subgroup): Pachic Haploxerolls Confirm Mapped Type? 🛛 Yes 🔲 No				
Profile Description:	N 4 - 4 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	N - 41 - C	1 Maula	
Depth	Matrix Color (Munsell Moist)	Mottle Co		Texture, Concretions, Structure, etc.
(inches) Horizon 0-16	10YR 2/2	(Munsen b	VIOIST) (Abuildance/Contrast)	Sandy loam
0-10	1011 2/2			Sandy Loan
		 		
				
Hydric Soil Indicators:		1		
Histosol		ПС	oncretions	
Histic Epipedon	1		igh Organic Content in surface lay	ver in Sandy Soils
Sulfidic Odor	•		rganic Streaking in Sandy Soils	of in bandy bond
Aquic Moisture	Regime		isted on Local Hydric Soils List	
Reducing Condi			isted on National Hydric Soils List	ł
☐ Gleyed or Low-			ther (Explain in Remarks)	•
_ 0,0,000 == 20	Omonia Science		mor (waynam m z,	
Remarks: No hydric	enil indicato	ra		
Komand. 110 11, all 1	DOLL THATOLOG	. D .		
WETLAND DETERN	····			
Hydrophytic Vegetation P	Present? Yes	No 🛛		
		·		
Wetland Hydrology Preser	ent? Yes	No 🛛		
1				·
Hydric Soils Present?	Yes	No 🛛	Is this Sampling Point Within a	Wetland? Yes 🗌 No 🛛
			Oak Riparian Forest doe	
wetland. However,	, the area is $\dot{\vec{j}}$	urisdict:	ional under CDFG as Adj	acent Riparían habitat.
l l				

DATA FORM ROUTINE WETLAND DETERMINATION

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army	Date: County:	17 December 2001			
Applicant/Owner:	Applicant/Owner: Salvation Army				San Diego	
Investigator: Vanessa A. Lee, Melissa A. Booker, and Kara A. Altvater			State:	California		
Do normal circumst	⊠ Yes	□ No	Community ID:	CLORF		
Is the site significantly disturbed (Atypical Situation)?		☐ Yes	⊠ No	Transect ID:	T 1, 50ft	
Is the area a potenti		☐ Yes	⊠ No	Plot ID:	DP 7A, PP 7A	
(If needed, explain on reverse.)						

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator	
1. Quercus agrifolia	T	NI	9.			
2. Rhamnus ilicifolia	S	NI	10.			
3. Bromus hordeaceus	H	FACU	11.			
4.			12.			
5.			13.			
6.			14.			
7.			15.			
8.			16.			
Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%						
Remarks: No hydrophytic plants present.						

_ □ S □ □ A □ □ C	rded Data (Described in Ren stream, Lake, or Tide Gauge Aerial Photographs Other ecorded Data Available	•	Wetland Hyd Primary Indi	drology Indicators: cators: Inundated Saturated in Upper 12 inches Water Marks Drift Lines		
Field Obse				Sediment Deposits		
	Depth of Surface Water:	(in.)	1 1	Drainage Patterns in Wetlands		
Γ	Depth to free Water in Pit	(in.)	Secondary In	ndicators (2 or more required):		
I	Depth of Saturated Soil:	(in.)		Oxidized Root Channels in Upper 12 Inches	H	
1	•			Water-Stained Leaves	i	
				Local Soil Survey Data		
				FAC-Neutral Test		
				Other (Explain in Remarks)		
Remarks:	Remarks: No hydrology indicators.					
					ľ	
L						

SOILS										· · · ·				
Map Unit Name (Series and Phase): Visalia sandy loam Drainage Class: Moderately well drained Field Observations														
Taxonomy (Subg	Taxonomy (Subgroup): Pachic Haploxerolls Confirm Mapped Type? Yes No													
D ("1 D														
Profile Description Depth (inches)	on: Horizon	Matrix Col			ottle Co nsell M		(Abun	Mottle dance/Co	ntrast)	Texture,	Concre	tions, S	tructu	re, etc.
0-14		10YR 3/							/			ly loa		
														
														
Hydric Soil Indic	notoma.						1							
☐ Sulfidi ☐ Aquic ☐ Reduc: ☐ Gleyec	☐ Histic Epipedon ☐ High Organic Content in surface layer in Sandy Soils ☐ Sulfidic Odor ☐ Organic Streaking in Sandy Soils ☐ Aquic Moisture Regime ☐ Listed on Local Hydric Soils List ☐ Reducing Conditions ☐ Listed on National Hydric Soils List ☐ Gleyed or Low-Chroma Colors ☐ Other (Explain in Remarks) Remarks: No hydric soil indicators.													
WETLAND DETERMINATION														
Hydrophytic Veg	getation Pres	ent? Yes		No	\boxtimes									
Wetland Hydrolo	ogy Present?	Yes		No	\boxtimes									
Hydric Soils Pre	sent?	Yes		No	\boxtimes	Is this	Samplin	ng Point V	Within a	Wetland?	Yes		No	\boxtimes
Remarks: This area of Southern Coast Live Oak Riparian Forest does not qualify as a wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat.														

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army			Date:	17 December 2001
Applicant/Owner:	Salvation Army			County:	San Diego
Investigator:	Vanessa A. Lee, Melissa A. Bo	State:	California		
Do normal circums	tances exist on the site?	⊠ Yes	□ No	Community ID:	CLORF
Is the site significar	ntly disturbed (Atypical Situation)?	☐ Yes	☑ No	Transect ID:	T 1, 60ft
Is the area a potenti	al Problem Area?	☐ Yes	⊠ No	Plot ID:	DP 8A, PP 8A
(If needed, expla	in on reverse.)				

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Quercus agrifolia	Т	NI	9.		
2. Platanus racemosa	Т	FACW	10.		
3. Rhamnus ilicifolia	S	NI	11.		
4. Toxicodendron diversilobum	H	NI	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percentage of Dominant Species that are	OBL, FACV	V or FAC (exclu	iding FAC-). 25%		
Remarks: Hydrophytic vegetation	on criter	ria not sat	isfied.		

Recorded Data (Described in Remarks):	Wetland Hydrology Indicators:			
☐ Stream, Lake, or Tide Gauge	Primary Indicators:			
🛮 Aerial Photographs	☐ Inundated			
_ Dother	☐ Saturated in Upper 12 inches			
☐ No Recorded Data Available	☐ Water Marks			
	☐ Drift Lines			
Field Observations:	☐ Sediment Deposits			
Depth of Surface Water: (in.)	☐ Drainage Patterns in Wetlands			
Depth to free Water in Pit (in.)	Secondary Indicators (2 or more required):			
Depth of Saturated Soil: (in.)	☐ Oxidized Root Channels in Upper 12 Inches			
	☐ Water-Stained Leaves			
	☐ Local Soil Survey Data			
	☐ FAC-Neutral Test			
	Other (Explain in Remarks)			
Remarks: No hydrology indicators.				

SOILS								
Map Unit Name (Series and Phase): Visalia sandy loam Drainage Class: Moderately well drained Field Observations								
Taxonomy (Sub	group): Pach	ic Haplox	cerol				Yes 🗆 No	
Profile Descripti	tion:							
Depth		Matrix Color		Mottle (Mottle		
(inches)	Horizon ((Munsell Mois		(Munsell		(Abundance/Contrast)		etions, Structure, etc. dy loam
0-14		10YR 3/6	+				Sam	ду тоаш
 							<u> </u>	
			4					
							<u> </u>	
Hydric Soil Indicators: Histosol Histic Epipedon Sulfidic Odor Aquic Moisture Regime Reducing Conditions Gleyed or Low-Chroma Colors Remarks: No hydric soil indicators. Concretions High Organic Content in surface layer in Sandy Soils Organic Streaking in Sandy Soils Listed on Local Hydric Soils List Listed on National Hydric Soils List Other (Explain in Remarks) Remarks: No hydric soil indicators.								
WETLAND DETERMINATION								
Hydrophytic Ve	getation Preser	ent? Yes		No 🗵	1			
Wetland Hydrol	logy Present?	Yes		No 🛚	1			
Hydric Soils Pre	esent?	Yes		No 🗵	Is this	s Sampling Point Within a	Wetland? Yes	□ No ⊠

Remarks: This area of Southern Coast Live Oak Riparian Forest does not qualify as a wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat.

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army			Date:	17 December 2001
Applicant/Owner:	Salvation Army	County:	San Diego		
Investigator:	Vanessa A. Lee, Melissa A. Bo	State:	California		
Do normal circums	tances exist on the site?		□No	Community ID:	CLORF
Is the site significar	ntly disturbed (Atypical Situation)?	☐ Yes	☑ No	Transect ID:	T 1, 70ft
Is the area a potenti		☐ Yes	⊠ No	Plot ID:	DP 9A, PP 9A
(If needed, expla					

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Quercus agrifolia	T	NI	9.		
2. Platanus racemosa	Т	FACW	10.		
3. Toxicodendron diversilobum	Н	NI	11.		
4.			12.		
5.			13.		<u> </u>
6.			14.		
7.			15.		
8.			16.		
Percentage of Dominant Species that are	OBL, FACV	V or FAC (excl	uding FAC-). 33%		
Remarks: Hydrophytic vegetati	on criter	ria not sat	tisfied.		

□ Recorded Data (Described in Remarks):	Wetland Hydrology Indicators:
☐ Stream, Lake, or Tide Gauge	Primary Indicators:
Aerial Photographs	☐ Inundated
☐ Other	☐ Saturated in Upper 12 inches
☐ No Recorded Data Available	☐ Water Marks
	☐ Drift Lines
Field Observations:	☐ Sediment Deposits
Depth of Surface Water: (in.)	☐ Drainage Patterns in Wetlands
Depth to free Water in Pit (in.)	Secondary Indicators (2 or more required):
Depth of Saturated Soil: (in.)	Oxidized Root Channels in Upper 12 Inches
•	☐ Water-Stained Leaves
	☐ Local Soil Survey Data
	☐ FAC-Neutral Test
	Other (Explain in Remarks)
Remarks: No hydrology indicators.	

SOILS							
Map Unit Name					Desire	Of the second of	
(Series and Phase)): Visalı	a sandy 10	sam		_	ge Class: Moderately Observations	ly well drained
Taxonomy (Subgr	roun). Pac	rbic Haplo	~ero	.11 ₅		* *	Yes □ No
Taxonomy (Daob-	Oup), Luc	IIIC IIGP-C-	76	TT:		I Mapped Type.	105
Profile Description	on:						ŗ
Depth		Matrix Colo			tle Colors	Mottle	
(1110110)	Horizon	(Munsell Moi			sell Moist)		Texture, Concretions, Structure, etc.
0-14		10YR 3/3	3				Sandy loam
			$\overline{}$				
ļ			\longrightarrow				
 			_				
Hydric Soil Indica		_			- _ ,		,
☐ Histosol				Ľ,	☐ Concretion		- to Garda Caila
☐ Histic E☐ Sulfidic	Epipedon c Odor			F		ganic Content in surface lay Streaking in Sandy Soils	yer in Sandy Soils
	c Odor Moisture Re	eoime		Ē		on Local Hydric Soils List	'
☐ Aquic R					☐ Listed or	n National Hydric Soils List	st
		nroma Colors				Explain in Remarks)	
						<u>-</u>	
Remarks: No 1	nydric s	oil indica	ator	s.			
il							
				-			
<u> </u>							
WETLAND D	ETERM	INATION					
Hydrophytic Vege			一	No			
	•		_				
Wetland Hydrolog	gy Present?	? Yes		No	\boxtimes		
		¥7	_	* Y _	T . 41		*** 10 \$7 . \ \ Mo \ \
Hydric Soils Pres	.ent?	Yes	Ш	No	Is thi	is Sampling Point Within a	a Wetland? Yes 🗌 No 🛚
Remarks: This	area of	Southern	Coa	et Li	Tre Oak	Pinarian Forest do	es not qualify as a
wetland. Ho	owever,	the area :	is j	urisd	ictiona.	I under CDFG as Adj	jacent Riparian habitat.
d e							

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army	Date:	17 December 2001		
Applicant/Owner:	Salvation Army	County:	San Diego		
Investigator:	Vanessa A. Lee, Melissa A. Boo	State:	California		
Do normal circums	tances exist on the site?	⊠ Yes	□ No	Community ID:	CLORF
Is the site significar	ntly disturbed (Atypical Situation)?		□ No	Transect ID:	T 1, 80ft
Is the area a potenti		☐ Yes	⊠ No	Plot ID:	DP 10A, PP 10A
(If needed, expla					

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Quercus agrifolia	T	NI	9.		
2. Platanus racemosa	T	FACW	10.		
3. Toxicodendron diversilobum	H	NI	11.		<u> </u>
4.			12.		
5.			13.		
6.			14.		1.
7.			15.		
8.			16.		
Percentage of Dominant Species that are					
Remarks: Hydrophytic vegetati	on criter	ia not sat	isfied.		

 ☐ Recorded Data (Described in Remarks): ☐ Stream, Lake, or Tide Gauge ☐ Aerial Photographs ☐ Other ☐ No Recorded Data Available 	Wetland Hydrology Indicators: Primary Indicators: Inundated Saturated in Upper 12 inches Water Marks Drift Lines
Field Observations: Depth of Surface Water: Depth to free Water in Pit Depth of Saturated Soil: (in.)	☐ Sediment Deposits ☐ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
	10-foot wide drainage (measured at approximate h (most likely eroded from a 100-year event) is

Map Unit Name	e							
	(Series and Phase): Visalia sandy loam Drainage Class: <u>Moderately well drained</u>							
(•				bservations			
Taxonomy (Sul	Taxonomy (Subgroup): Pachic Haploxerolls Confirm Mapped Type? Yes No							
Profile Descript	tion:	. ~ 1	~ *		8.6.14	!		
Depth	_	Matrix Color		tle Colors	Mottle			
(inches)	Horizon	(Munsell Moist)		sell Moist)	(Abundance/Contrast)	Texture, Concretions, Structure, etc. Rock/Cobble		
0			+			ROCK/CODDIE		
	+					 		
	+		+					
			+		+			
					<u> </u>	<u> </u>		
Hydric Soil Ind			_			ľ		
☐ Histo			닏	Concretion				
	ic Epipedon				ganic Content in surface lay	yer in Sandy Soils		
	idic Odor				Streaking in Sandy Soils	ļ		
	ic Moisture Re				n Local Hydric Soils List	1		
	ucing Conditio				n National Hydric Soils Lis	it		
☐ Gley	ed or Low-Ch	ıroma Colors		J Other (E	Explain in Remarks)			
<u> </u>								
Remarks: Cou	ıld not di	g due to abu	ndance	of cobr	ole. Width of copr	ble in drainage is 10 feet.		
It is poss	ible that	sediment de	posits	between	. cobble satisfy my	ydric conditions; however, to be a natural atypical		
this canno	t be dete	ermined. In presence of i	this co	anils i	.ls are constueted	to be a natural acypical		
Sluation,	and cire	presence or	nyarro	POTTS T	s assumed.			
<u> </u>								
			<u> </u>					
WETLAND	DETERM	INATION						
Hydrophytic V	egetation Pres	sent? Yes [] No					
1			•	_				
Wetland Hydro	ology Present?	? Yes ⊠	No	\sqcup				
//		-	• _ ·	_ _,	· - • • • • • • • • • • • • • • • • • •	· · · · · · · · · · · · · · · · · ·		
Hydric Soils Pi	resent?	Yes 🛚	No	Is thi	is Sampling Point Within a	ı Wetland? Yes ☐ No ☒		
<u> </u>				<u></u>		7.7		
Remarks: Thi	s area of	Southern Co	ast Li	ve Oak F	liparian Forest do	es not qualify as an ACOE		
wetland.	However,	the area is	jurisa:	ictional	under CDFG as Aug	jacent Riparian habitat. . (ACOE) and is also		
The draina	ge is con	er the County	, and C.	NECTAIL	Waters or the o.b.	. (ACOE) and is also		
Julibuleer	Oliai diido	I the county	ana c.	Jr G.				
ll .								

(1987 COE Wetlands Delineation Manual)

Project/Site: Applicant/Owner:	Salvation Army Salvation Army			Date: County:	17 December 2001 San Diego
Investigator:	Vanessa A. Lee, Melissa A. Boo	State:	California		
Do normal circums	tances exist on the site?		□ No	Community ID:	CLORF
Is the site significar	ntly disturbed (Atypical Situation)?	☐ Yes	☑ No	Transect ID:	T 1, 90ft
Is the area a potenti		☐ Yes	☑ No	Plot ID:	DP 11A, PP 11A
(If needed, expla					

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator			
1. Quercus agrifolia	T	NI	9.					
2. Rhamnus ilicifolia	S	NI	10.		·			
3. Bromus diandrus	H	NI	11.					
4. Lonicera subspicata	V	NI	12.					
5.			13.					
6.			14.					
7.			15.		L			
8.			16.					
Percentage of Dominant Species that are	OBL, FACV	V or FAC (exch	ıding FAC-). 0%					
Remarks: No hydrophytic vegeta	ation pre	esent.						

Recorded Data (Described in Remarks):	Wetland Hydrology Indicators:
☐ Stream, Lake, or Tide Gauge	Primary Indicators:
🛛 Aerial Photographs	☐ Inundated
☐ Other	☐ Saturated in Upper 12 inches
☐ No Recorded Data Available	☐ Water Marks
	☐ Drift Lines
Field Observations:	☐ Sediment Deposits
Depth of Surface Water: (in.)	☐ Drainage Patterns in Wetlands
Depth to free Water in Pit (in.)	Secondary Indicators (2 or more required):
Depth of Saturated Soil: (in.)	Oxidized Root Channels in Upper 12 Inches
	☐ Water-Stained Leaves
	☐ Local Soil Survey Data
	☐ FAC-Neutral Test
	Other (Explain in Remarks)
Remarks: No hydrology indicators.	
_	
L	

POILS												
Map Unit Name (Series and Phase)	e): Visal	ia sandy	loam			Orainage		Moderatel	y well d	rained		
	_	<u>-</u>		_			oservations		- -			J
Taxonomy (Subgi	roup): Pac	chic Hap	oxerc	<u>lls</u>		onfirm	Mapped Typ	<u>,e?</u> ⊠	Yes □ No	0		
Profile Descriptio	on.											ľ
Depth	<u>/11.</u>	Matrix C	olor	Mo	ottle Co	olors	Mc	ottle				,
(inches)	Horizon	(Munsell N	Moist)		nsell M	Moist)		ce/Contrast)		Concretion		re, etc.
0-10		10YR 3	ا 2						-	Sandy	Ioam	
<u> </u>						!	+					
		ſ				-						
							-		 			
Hydric Soil Indicators: Histosol												
WETLAND D Hydrophytic Veg				No								
Wetland Hydrolo	ogy Present	t? Yes		No	\boxtimes							
Hydric Soils Pres		Yes		No			s Sampling Po] No	
Remarks: This area of Southern Coast Live Oak Riparian Forest does not qualify as a wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat.												

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army			Date:	17 December 2001
Applicant/Owner:	Salvation Army	County:	San Diego		
Investigator:	Vanessa A. Lee, Melissa A. Boo	State:	California		
Do normal circums	tances exist on the site?		□ No	Community ID:	CLORF
Is the site significar	ntly disturbed (Atypical Situation)?	☐ Yes	⊠ No	Transect ID:	T 1, 100ft
Is the area a potenti		☐ Yes	⊠ No	Plot ID:	DP 12A, PP 12A
(If needed, expla					

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator		
1. Quercus agrifolia	Т	NI	9.				
2. Rhamnus ilicifolia	S	NI	10.				
3. Bromus diandrus	H	NI	11.				
4.			12.				
5.			13.				
6.	1		14.				
7.			15.				
8.			16.				
Percentage of Dominant Species that are	OBL, FACV	or FAC (excl	uding FAC-). 0%				
Remarks: No hydrophytic vegetation present.							

□ Recorded Data (Described in Remarks):	Wetland Hydrology Indicators:
☐ Stream, Lake, or Tide Gauge	Primary Indicators:
Aerial Photographs	☐ Inundated
☐ Other	☐ Saturated in Upper 12 inches
☐ No Recorded Data Available	☐ Water Marks
	☐ Drift Lines
Field Observations:	☐ Sediment Deposits
Depth of Surface Water: (in.)	☐ Drainage Patterns in Wetlands
Depth to free Water in Pit (in.)	Secondary Indicators (2 or more required):
Depth of Saturated Soil: (in.)	Oxidized Root Channels in Upper 12 Inches
-	☐ Water-Stained Leaves
	☐ Local Soil Survey Data
	☐ FAC-Neutral Test
	Other (Explain in Remarks)
Remarks: No hydrology indicators.	

SOILS										
Map Unit Name										
		ia sandy loa	am		Drainage		y well d	rained		_ '
(6.1		· •	٦.	_		bservations	¬\	-		,
Taxonomy (Sub	group): Pac	chic Haploxe	erolı	<u>-s</u> '	Contirm	n Mapped Type?	Yes N	10		
n on Dannin	.•									,
Profile Descript	ion:	Matrix Color		Mottle C	Calare	Mottle				,
Depth (inches)	Horizon	Matrix Color (Munsell Mois		Mottle C Munsell		(Abundance/Contrast)	Texture.	Concretions	- Structa	re etc.
(inches) 0-10	Horizon	10YR 3/2	/ \		IVIOISIJ	(Abundance/Contract,	10111110, -	Sandy 1		16, 0.0.
0-10								- DOLL		
			\Box							
	+									
	+						+			
	-		+		 					
Hydric Soil Ind	licators:							•		
☐ Sulfic ☐ Aquic ☐ Redu	c Epipedon dic Odor ic Moisture Re ucing Condition	ons			Organic S Listed on Listed on	ganic Content in surface lay Streaking in Sandy Soils n Local Hydric Soils List n National Hydric Soils Lis		Soils		
	ed or Low-Ch					xplain in Remarks)				1
il										
Remarks: No	hydric s	soil indicat	.tors	•						
4										
.										
4										
		_								
WETLAND	<u>DETERM</u> J	INATION								
Hydrophytic Ve	egetation Pres	sent? Yes [1	No 🛛						
1	/ 6									
Wetland Hydro	ology Present?	? Yes [No 🛛	ا اد					
								_	-	_
Hydric Soils Pr	esent?	Yes		No 🛛	Is this	is Sampling Point Within a	. Wetland?	Yes _] No	\boxtimes
4					Ш					
Remarks: This	s area of	Southern C	Coast	Live	Oak R	Riparian Forest doe	s not qua	alify as	s a we	tland.
However, the area is jurisdictional under CDFG as Adjacent Riparian habitat.										

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army			Date:	18 December 2001
Applicant/Owner:	Salvation Army			County:	San Diego
Investigator:	Vanessa A. Lee and Kara	State:	California		
Do normal circumst	ances exist on the site?	Yes	□ No	Community ID:	CLORF
Is the site significan	tly disturbed (Atypical Situation)?	☐ Yes	⊠ No	Transect ID:	T 2, 0ft
Is the area a potential	☐ Yes	⊠ No	Plot ID:	DP 13A, PP 13A	
(If needed, expla	in on reverse.)				

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Quercus agrifolia	T	NI	9.		
2. Stellaria media	H	FACU	10.		
3. Bromus hordeaceus	H	FACU	11.		
4. Taraxacum officinale	H	FACU	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percentage of Dominant Species that are	OBL, FACV	V or FAC (exclu	ading FAC-). 0%		
Remarks: No hydrophytic veget	ation pre	esent.			
	•				

□ Recorded Data (Described in Remarks):	Wetland Hydrology Indicators:
☐ Stream, Lake, or Tide Gauge	Primary Indicators:
Aerial Photographs	☐ Inundated
☐ Other	☐ Saturated in Upper 12 inches
☐ No Recorded Data Available	☐ Water Marks
	☐ Drift Lines
Field Observations:	☐ Sediment Deposits
Depth of Surface Water: (in.)	☐ Drainage Patterns in Wetlands
Depth to free Water in Pit (in.)	Secondary Indicators (2 or more required):
Depth of Saturated Soil: (in.)	Oxidized Root Channels in Upper 12 Inches
•	☐ Water-Stained Leaves
	☐ Local Soil Survey Data
	☐ FAC-Neutral Test
	☐ Other (Explain in Remarks)
Remarks: No hydrology indicators.	
	•

SOILS											
Map Unit Name						Ci Mada		3.3 3			_
(Series and Phase)	<i>)</i> : Visa⊥ıa	ı sandy 10	am			ge Class: Moder Observations	rately w	well drain	<u>ned</u>		-
Taxonomy (Subgro	roup): Pach	nic Haplor	kerol	ls _		m Mapped Type?	⊠ Yes	s 🔲 No			
											
Profile Description	<u>n:</u>	Trit Calc		* # - 447	- C.1 _{0ma}	N 40++10					1
Depth (inches)	Horizon (Matrix Color (Munsell Mois			le Colors sell Moist)	Mottle) (Abundance/Contr	tract) T	Texture, Conc	cretions, §	Structur	re etc.
0-14		10YR 3/2		.17111111		(Abullation Comme	last) -		ndy loa		0, 0
			+								
			-+								
☐ Histosol ☐ Histic E ☐ Sulfidic ☐ Aquic M ☐ Reducin ☐ Gleyed	Hydric Soil Indicators: Histosol Histic Epipedon Sulfidic Odor Aquic Moisture Regime Reducing Conditions Gleyed or Low-Chroma Colors Concretions High Organic Content in surface layer in Sandy Soils Organic Streaking in Sandy Soils Listed on Local Hydric Soils List Listed on National Hydric Soils List Other (Explain in Remarks) Remarks: No hydric soil indicators.										
WETLAND DETERMINATION Hydrophytic Vegetation Present? Yes No											
Hydrophydic vege	Hallon Fiese	ent? Yes	٠ لــا	No [
Wetland Hydrolog	gy Present?	Yes	<u> </u>	No							
Hydric Soils Prese	ent?	Yes		No	⊠ Is th	his Sampling Point Wi	ithin a We	etland? Yes	s 🗌	No	
Remarks: This However, the	Remarks: This area of Southern Coast Live Oak Riparian Forest does not qualify as a wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat.										

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army			Date:	18 December 2001
Applicant/Owner:	Salvation Army			County:	San Diego
Investigator:	Vanessa A. Lee and Kara	State:	California		
Do normal circumst	tances exist on the site?	⊠ Yes	□ No	Community ID:	CLORF
Is the site significar	ntly disturbed (Atypical Situation)?	☑ Yes	□ No	Transect ID:	T 2, 10ft
Is the area a potenti	al Problem Area?	☐ Yes	⊠ No	Plot ID:	DP 14A, PP 14A
(If needed, expla	in on reverse.)				

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator			
1. Quercus agrifolia	Т	NI	9.					
2. Eriogonum fasciculatum	H	NI	10.					
3. Bromus diandrus	H	NI	11.					
4. Hirschfeldia incana	Н	NI	12.					
5.			13.					
6.			14.					
7.			15.					
8.			16.					
Percentage of Dominant Species that are	OBL, FACV	V or FAC (exclu	iding FAC-). 0%					
Remarks: No hydrophytic vegeta	Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0% Remarks: No hydrophytic vegetation present.							

Recorded Data (Described in Remarks):	Wetland Hydrology Indicators:
☐ Stream, Lake, or Tide Gauge	Primary Indicators:
☐ Aerial Photographs	☐ Inundated
☐ Other	☐ Saturated in Upper 12 inches
☐ No Recorded Data Available	☐ Water Marks
	☐ Drift Lines
Field Observations:	☐ Sediment Deposits
Depth of Surface Water: (in.)	Drainage Patterns in Wetlands
Depth to free Water in Pit (in.)	Secondary Indicators (2 or more required):
Depth of Saturated Soil: (in.)	Oxidized Root Channels in Upper 12 Inches
	☐ Water-Stained Leaves
	☐ Local Soil Survey Data
	☐ FAC-Neutral Test
	Other (Explain in Remarks)
Remarks: Hydrology indicated by presence of	6-foot wide drainage (measured at approximate
ordinary high water mark). Streambed widt	h is 10 feet (measured from bank to bank).

SOILS Man Lini

Map Unit Name										
(Series and Pha	(Series and Phase): Visalia sandy loam Drainage Class: Moderately well drained Field Observations									
(C ¹	·\. Doo'		-114			V-a TNo				
Taxonomy (Suc	Taxonomy (Subgroup): Pachic Haploxerolls Confirm Mapped Type? 🛮 Yes 🗌 No									
Drofile Descrip	Profile Description:									
Depth	<u>tion.</u>	Matrix Color	Mot	ttle Colors	Mottle					
(inches)	Horizon	(Munsell Moist)		sell Moist)	(Abundance/Contrast)	Texture, Concretions, Structure, etc.				
0						Rock/Cobble				
					·					
<u> </u> '	 					 				
<u> </u>	-									
			<u> </u>							
77 1: Q-il Inc	 									
Hydric Soil Indicators: Histosol Histic Epipedon High Organic Content in surface layer in Sandy Soils Sulfidic Odor Aquic Moisture Regime Etisted on Local Hydric Soils List Gleyed or Low-Chroma Colors Remarks: Could not dig due to abundance of cobble. Width of cobble within drainage is 6 feet. It is possible that sediment deposits between cobble satisfy hydric conditions; however, this cannot be determined. In this case, soils are considered to be a natural atypical situation, and the presence of hydric soils is assumed. WETLAND DETERMINATION										
Hydrophytic V	egetation Pres	sent? Yes	No							
Wetland Hydro	_	_	⊠ No							
Hydric Soils Pr	resent?	Yes	No .	Is the	is Sampling Point Within a	a Wetland? Yes 🗌 No 🛛				
Remarks: This area of Southern Coast Live Oak Riparian Forest does not qualify as an ACOE wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat. The drainage is considered to be Non-wetland Waters of the U.S. (ACOE) and is also jurisdictional under the County and CDFG.										

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army	·		Date:	18 December 2001	
Applicant/Owner:	Salvation Army			County:	San Diego	
Investigator:	Vanessa A. Lee and Kara	State:	California			
Do normal circumst	ances exist on the site?	Yes	□ No	Community ID:	CLORF	
Is the site significan	tly disturbed (Atypical Situation)?	☐ Yes	⊠ No	Transect ID:	T 2, 20ft	
Is the area a potenti	☐ Yes	⊠ No	Plot ID:	DP 15A, PP 15A		
(If needed, expla	in on reverse.)					

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator		
1. Quercus agrifolia	T	NI	9.				
2. Eriogonum fasciculatum	H	NI	10.				
3. Bromus diandrus	H	NI	11.				
4. Picris echioides	H	FAC	12.				
5.			13.				
6.			14.				
7.			15.				
8.			16.				
Percentage of Dominant Species that are	OBL, FACV	or FAC (exclu	ading FAC-). 25%				
Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 25% Remarks: Hydrophytic vegetation criteria not satisfied.							

□ Recorded Data (Described in Remarks):	Wetland Hydrology Indicators:
☐ Stream, Lake, or Tide Gauge	Primary Indicators:
Aerial Photographs	☐ Inundated
☐ Other	☐ Saturated in Upper 12 inches
No Recorded Data Available	☐ Water Marks
	☐ Drift Lines
Field Observations:	☐ Sediment Deposits
Depth of Surface Water: (in.)	☐ Drainage Patterns in Wetlands
Depth to free Water in Pit (in.)	Secondary Indicators (2 or more required):
Depth of Saturated Soil: (in.)	Oxidized Root Channels in Upper 12 Inches
	☐ Water-Stained Leaves
	☐ Local Soil Survey Data
	☐ FAC-Neutral Test
	Other (Explain in Remarks)
Remarks: No hydrology indicators.	
L	

Map Unit Name (Series and Phase): V	/isalia sa	ndy loam		Drainag	e Class: Moderatel	y well draine	d	
[`		_			servations			
Taxonomy (Subgroup): Pachic Haploxerolls Confirm Mapped Type? 🛮 Yes 🔲 No								
Profile Description:	3.6	· · · O-1- ··	N / - 441	- Colora	Mottle			
Depth		trix Color		e Colors ell Moist)	(Abundance/Contrast)	Taytura Concret	ions, Structure, etc.	
<u> </u>		sell Moist) YR 3/2	 	en Moist)	(Abundance/Condast)		y loam	
0-14 -	10	IR 3/2				Saira	, <u> </u>	
			-					
I Truduia Cail Trudia - 4			<u> </u>			1		
Hydric Soil Indicator Histosol	rs:		П	Concreti	one			
	• adan		님		ganic Content in surface la	ver in Sandy Soils		
☐ Histic Epip☐ Sulfidic O					Streaking in Sandy Soils	yor in buildy boils		
	isture Regime				Local Hydric Soils List			
☐ Aquic Moi					National Hydric Soils List	rt .		
	Low-Chroma	Colors			xplain in Remarks)	,,,		
Li Cleyed of	Low-Cinolia	Colors		Cuito (E	Apiani in Itomasico)			
Domonica N. b.								
Remarks: No hyd	iric soli	indicato	rs.					
WETLAND DET	TERMINAT	ΓΙΟΝ						
Hydrophytic Vegetar	tion Present?	Yes	No					
Hydrophytic vegeta	non i resent:	103	110					
Wetland Hydrology	Drecent?	Yes	No					
Weiland Trydrology	Tiescht:	103	110					
Hydric Soils Present	.7	Yes	No	Is thi	s Sampling Point Within a	Wetland? Yes	□ No 🛛	
Tryunc Sons riesem		1 60 [1 110				<u> </u>	
Remarks: Data no	nint locat	ed at th	e edae	of Sout	thern Coast Live O	ak Riparian Fo	orest canopy.	
This area of S	Southern C	oast Liv	e Oak 1	Riparian	. Forest does not (qualify as a v	vetland.	
However, the a	area is ju	risdicti	onal u	nder CDE	G as Adjacent Rip	arian habitat.	•	
11								
H								

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army			Date:	18 December 2001
Applicant/Owner:	Salvation Army			County:	San Diego
Investigator:	Vanessa A. Lee and Kara	State:	California		
		-			
Do normal circumst	tances exist on the site?		□ No	Community ID:	CSS
Is the site significan	ntly disturbed (Atypical Situation)?	☐ Yes	⊠ No	Transect ID:	T 3, Oft
Is the area a potenti	☐ Yes	☑ No	Plot ID:	DP 16A, PP 16A	
(If needed, expla		1	·····		

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator		
1. Pennisetum setaceum	Н	NI	9.				
2. Taraxacum officinale	H	FACU	10.				
3. Stellaria media	H	FACU	11.				
4. Bromus hordeaceus	H	FACU	12.				
5.			13.				
6.			14.				
7.			15.				
8.			16.				
Percentage of Dominant Species that are	OBL, FACV	V or FAC (exclu	ıding FAC-). 0%				
Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0% Remarks: No hydrophytic vegetation present.							

 ☐ Recorded Data (Described in Remarks): ☐ Stream, Lake, or Tide Gauge ☐ Aerial Photographs ☐ Other ☐ No Recorded Data Available 	Wetland Hydrology Indicators: Primary Indicators: Inundated Saturated in Upper 12 inches Water Marks Drift Lines
Field Observations: Depth of Surface Water: Depth to free Water in Pit Depth of Saturated Soil: (in.)	☐ Sediment Deposits ☐ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: No hydrology indicators.	

Map Unit Name												
(Series and Phase): Visalia sandy loam Drainage Class: Moderately well drained												
							servations					ii
Taxonomy (Subgroup): Pachic Haploxerolls Confirm Mapped Type? 🛛 Yes 🗌 No												
Profile Descript	ion:							_				1
Depth		Matrix Col			ttle Co		Mott			~ .		
(inches)	Horizon	(Munsell Mo		(Mu	nsell N	loist)	(Abundance		Texture,			icture, etc.
0-14		10YR 3/	2					-		Sand	y loam	
Hydric Soil Ind												Į.
☐ Histo				ļ		oncretic				<i>a</i>		Į.
	Epipedon						anic Content in		yer in Sandy	Soils		
	dic Odor						Streaking in Sa					•
	Moisture Re						Local Hydric		4			
	cing Conditio						National Hydr		St			
☐ Gleye	ed or Low-Ch	roma Colors			⊔ Ot	ther (Ex	plain in Rema	rks)				i
Remarks: No	hydric s	oil indic	ator	s.								
												l
												i
		·			····		·				·-··	
WETLAND	DETERMI	NATION										
Hydrophytic Ve	egetation Pres	sent? Yes		No	\boxtimes							
	25044011 103	105	Ш	110	لاعا							ļ
Wetland Hydro	logy Present?	Yes		No	\boxtimes							
., 53,23,4 11,410	6) 11000Ht.	1 00	ш	1.0	لاك							
Hydric Soils Pr	esent?	Yes		No	\boxtimes	Is this	Sampling Poi	nt Within a	Wetland?	Yes		。 🛛 📗
		1 20								_		_
Remarks: Die	gan Coast	al Sage S	crub	hab	itat	•						
	~	<u> </u>										
												ŀ
]												i

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army	Date: County: State:	18 December 2001		
Applicant/Owner:	Salvation Army		San Diego		
Investigator:	Vanessa A. Lee and Kara		California		
		⊠ Yes ⊠ Yes □ Yes	□ No □ No ⊠ No	Community ID: Transect ID: Plot ID:	CSS T 3, 10ft DP 17A, PP 17A

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
l. Picris echioides	Н	FAC	9.		
2. Bromus hordeaceus	H	FACU	10.		
3. Taraxacum officinale	Н	FACU	11.		
4. Eriogonum fasciculatum	Н	NI	12.		
5. Bromus diandrus	Н	NI	13.		
6.			14.		
7.			15.		
8.		-	16.		
Percentage of Dominant Species that ar	e OBL, FACW	or FAC (excl	uding FAC-). 20%		
Remarks: No hydrophytic vege	tation pre	sent.			
	-				

 ☐ Recorded Data (Described in Remarks): ☐ Stream, Lake, or Tide Gauge ☐ Aerial Photographs ☐ Other ☐ No Recorded Data Available 	Wetland Hydrology Indicators: Primary Indicators: Inundated Saturated in Upper 12 inches Water Marks
110 Recorded Data Available	☐ Drift Lines
Field Observations:	☐ Sediment Deposits
Depth of Surface Water: (in.)	☐ Drainage Patterns in Wetlands
Depth to free Water in Pit (in.)	Secondary Indicators (2 or more required):
Depth of Saturated Soil: (in.)	Oxidized Root Channels in Upper 12 Inches
	☐ Water-Stained Leaves
	☐ Local Soil Survey Data
	☐ FAC-Neutral Test
	☐ Other (Explain in Remarks)
Remarks: Hydrology indicated by presence of ordinary high water mark). Streambed widt	6-foot wide drainage (measured at approximate h is 12 feet (measured from bank to bank).

Map Unit Name										
(Series and Pha	ıse): Visali	la sandy loa	ım	Drainage		ly well drained				
(0.1	* \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1			Field Observations Confirm Mapped Type? ☐ Yes ☐ No					
Taxonomy (Sur	ogroup): Pac	chic Haploxe	rolls	Contirm	Mapped Type? ⊠	Yes No				
Profile Descript	ition.									
Depth	<u>11011.</u>	Matrix Color	Mottl	le Colors	Mottle	ľ				
(inches)	Horizon	(Munsell Moist		sell Moist)	(Abundance/Contrast)	Texture, Concretions, Structure, etc.				
0			-			Rock/Cobble				
<u> </u>	-				<u></u>					
										
					!					
Hydric Soil Ind	diantors:					<u> </u>				
Hydric Son ind				Concretio	าทร	ļ				
ii <u>—</u>	ic Epipedon				ganic Content in surface lay	ver in Sandv Soils				
	idic Odor				Streaking in Sandy Soils	, •• •• •• •• •• •• •• •• •• •• •• •• ••				
	ic Moisture Re			Listed on	Local Hydric Soils List	ļ				
	acing Condition				isted on National Hydric Soils List					
☐ Gleye	ed or Low-Ch	roma Colors		Other (Ex	xplain in Remarks)					
1 - a					7 ext 7.1 C 11					
						ble in drainage is 6 feet. ydric conditions; however,				
this cannot	t be dete					to be a natural atypical				
		presence of	hydric	soils i	s assumed.					
<u> </u>										
WETLAND	DETERMI	INATION								
			7 No.	K7						
Hydrophytic Ve	egetation ries	sent? Yes	No [
Wetland Hydro	Joay Present?	Yes D	⊠ No [\Box						
VV Chancing 11, and	logy i resemi.	100 6	7 110 1	_						
Hydric Soils Pr	resent?	Yes	No [☐ Is this	s Sampling Point Within a	Wetland? Yes ☐ No ☒				
ll										
						. The drainage is				
			aters of	the U.S	S. (ACOE) and is a	also jurisdictional under				
the County	and CDFG.	•								
il						l				
11										
/ 										

(1987 COE Wetlands Delineation Manual)

Project/Site: Applicant/Owner:	Salvation Army Salvation Army	Date: County:	18 December 2001 San Diego		
Investigator:	Vanessa A. Lee and Kara	State:	California		
Do normal circumst	ances exist on the site?	⊠ Yes	□ No	Community ID:	CSS
Is the site significan	tly disturbed (Atypical Situation)?	☐ Yes	⊠ No	Transect ID:	T 3, 20ft
Is the area a potentia	al Problem Area?	☐ Yes	⊠ No	Plot ID:	DP 18A, PP 18A
(If needed, expla	in on reverse.)		<u> </u>		

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator		
1. Picris echioides	H	FAC	9.				
2. Bromus diandrus	H	NI	10.				
3. Cryptantha intermedia	H	NI	11.		·		
4. Eriogonum fasciculatum	H	NI	12.				
5. Bromus madritensis ssp. rubens	H	NI	13.				
6.		·	14.				
7.			15.				
8.			16.				
Percentage of Dominant Species that are	OBL, FACV	or FAC (exclu	iding FAC-). 20%		_		
Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 20% Remarks: Hydrophytic vegetation criteria not satisfied.							

Recorded Data (Described in Remarks):	Wetland Hydrology Indicators:
Stream, Lake, or Tide Gauge	Primary Indicators:
Aerial Photographs	☐ Inundated
_ Ll Other	☐ Saturated in Upper 12 inches
☐ No Recorded Data Available	☐ Water Marks
	☐ Drift Lines
Field Observations:	☐ Sediment Deposits
Depth of Surface Water: (in.)	☐ Drainage Patterns in Wetlands
Depth to free Water in Pit (in.)	Secondary Indicators (2 or more required):
Depth of Saturated Soil: (in.)	☐ Oxidized Root Channels in Upper 12 Inches
	☐ Water-Stained Leaves
	☐ Local Soil Survey Data
	☐ FAC-Neutral Test
	☐ Other (Explain in Remarks)
Remarks: No hydrology indicators.	

SOILS														
Map Unit Name	2													
(Series and Phase): Visalia sandy loam Drainage Class: Moderately well drained								_						
	Field Observations													
Taxonomy (Subgroup): Pachic Haploxerolls Confirm Mapped Type?														
	. •													
Profile Descript	tion:	M	ı,		1 C	1		N f = 441 =						
Depth	Horizon	Matrix Co. (Munsell Me			ttle Co nsell N		(Abund	Mottle ance/Cor	ntract	Tevture	e, Concre	tions St	ructur	e etc
(inches) 0-16	HOFIZON	10YR 3/		(Mu	usen iv	10181)	(Abund		iliasi)	Texture		y loar		c, cic.
0-10		10110 37		-					-		20110	7		
														
			1											
Hydric Soil Ind	icators:											-		
☐ Histo						ncretio								
	c Epipedon									yer in San	dy Soils			
	dic Odor			ļ				in Sandy						
	c Moisture Re							dric Soil						
	cing Conditio							Hydric S		t				
☐ ☐ Gley	ed or Low-Ch	iroma Colors			IJ O1	her (Ex	plain in l	Remarks))					
D 1														
Remarks: No	hydric s	soil indic	cator	s.										
														
ARTERIOR A PLAN		EN 1 / (F) (ON 1												
WETLAND					<u>-</u>									
Hydrophytic V	egetation Pres	sent? Yes		No	\boxtimes		-							
	_				~									
Wetland Hydro	logy Present	? Yes		No	\boxtimes									
	40	**		N.T	E 2	Y 41 '	G. 1'	_ n_'	5.7141- 1	XX - 41 10	V	_ ,	ΝĪα	\square
Hydric Soils Pi	resent?	Yes	Ш	No	\boxtimes	is this	Samplin	g Point V	vitnin a	Wetland?	Yes	ا لــا	No	\boxtimes
Remarks: Dat	- noint 1	000+04	t h i n	D÷ a	~~~	Coagt	al 6a~	e Carri	h 1700	atation	ahorro	hank	of.	
Remarks: Dat drainage.	a point 1	.ocated Wi	LUMIN	. рте	gan '	LUAST	ar sag	= SCIUI	n veg	ELALIOII	above	Dank	ŲΙ	
drainage.														

(1987 COE Wetlands Delineation Manual)

Project/Site: Applicant/Owner: Investigator:	Salvation Army Salvation Army Vanessa A. Lee and Kara	Date: County: State:	18 December 2001 San Diego California		
		⊠ Yes □ Yes □ Yes	□ No ⊠ No ⊠ No	Community ID: Transect ID: Plot ID:	CLORF T 4, Oft DP 19A, PP 19A

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator	
1. Platanus racemosa	T	FACW	9.			
2. Bromus diandrus	H	NI	10.			
3.			11.			
4.			12.			
5.			13.			
6.			14.			
7.			15.			
8.			16.			
Percentage of Dominant Species that are	OBL, FACV	or FAC (exclu	uding FAC-). 50%			
Remarks: Hydrophytic vegetation criteria not satisfied. (Only one Western Sycamore tree present. This is not a grouping of trees.)						

□ Recorded Data (Described in Remarks):	Wetland Hydrology Indicators:			
☐ Stream, Lake, or Tide Gauge	Primary Indicators:			
☐ Aerial Photographs	☐ Inundated			
☐ Other	☐ Saturated in Upper 12 inches			
☐ No Recorded Data Available	☐ Water Marks			
<u> </u>	☐ Drift Lines			
Field Observations:	☐ Sediment Deposits			
Depth of Surface Water: (in.)	☐ Drainage Patterns in Wetlands			
Depth to free Water in Pit (in.)	Secondary Indicators (2 or more required):			
Depth of Saturated Soil: (in.)	Oxidized Root Channels in Upper 12 Inches			
-	☐ Water-Stained Leaves			
	☐ Local Soil Survey Data			
	☐ FAC-Neutral Test			
	☐ Other (Explain in Remarks)			
Remarks: No hydrology indicators.				

SOILS										
Map Unit Name					~ ·					
(Series and Phase	e): Visa⊥ı	ia sandy lo	am		Drainage Field Ob	e Class: <u>Mode</u> oservations	lerately	y well drai	ıned	
Taxonomy (Subg	proup): Pac	chic sandy	loam	i		Mapped Type?	⊠Y	es □ No		
										
Profile Description	on:			•		~ r4				
Depth	TT '	Matrix Color			e Colors	Mottle		Ttime Con	tiona Stm	-tomo ata
(inches) 0-14	Horizon	(Munsell Mois		/Munse	ell Moist)	(Abundance/Co	ontrasi)	1exture, Con	cretions, Structure	nure, e.c.
0 1-1		1	士						1107	
										
										
		(+	 						
		4								
II lai- Cail Indi		<u></u>								
Hydric Soil Indicators: Histosol High Organic Content in surface layer in Sandy Soils Sulfidic Odor Organic Streaking in Sandy Soils Aquic Moisture Regime Listed on Local Hydric Soils List Reducing Conditions Gleyed or Low-Chroma Colors Other (Explain in Remarks) Remarks: No hydric soil indicators.										
	WETLAND DETERMINATION									
Hydrophytic Veg	getation Pres	esent? Yes	1	No 🛭	\boxtimes					
Wetland Hydrolo	ogy Present	t? Yes	<u> </u>	No [\boxtimes					
Hydric Soils Pre	sent?	Yes	<u> </u>	No [Is this	s Sampling Point	Within a V	Wetland? Ye	es 🗌 No	
Remarks: Data Area is jur	Remarks: Data point located at the edge of Southern Coast Live Oak Riparian Forest canopy. Area is jurisdictional under CDFG as Adjacent Riparian habitat.									

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army			Date:	18 December 2001
Applicant/Owner:	Salvation Army			County:	San Diego
Investigator:	Vanessa A. Lee and Kara A. Altvater			State:	California
Do normal circums	tances exist on the site?		□ No	Community ID:	CLORF
Is the site significar	ntly disturbed (Atypical Situation)?	☐ Yes	⊠ No	Transect ID:	T 4, 10ft
Is the area a potenti	☐ Yes	⊠ No	Plot ID:	DP 20A, PP 20A	
(If needed, expla	in on reverse.)				

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator	
1. Quercus agrifolia	T	NI	9.			
2. Platanus racemosa	T	FACW	10.			
3. Bromus diandrus	H	NI	11.			
4. Hirschfeldia incana	Н	NI	12.			
5.			13.			
6.			14.			
7.			15.			
8.			16.			
Percentage of Dominant Species that are	OBL, FACV	or FAC (exclu	nding FAC-). 25%			
Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 25% Remarks: Hydrophytic vegetation criteria not satisfied.						

 □ Recorded Data (Described in Remarks): □ Stream, Lake, or Tide Gauge □ Aerial Photographs □ Other □ No Recorded Data Available 	Wetland Hydrology Indicators: Primary Indicators: Inundated Saturated in Upper 12 inches Water Marks Drift Lines
Field Observations: Depth of Surface Water: Depth to free Water in Pit Depth of Saturated Soil: (in.)	☐ Sediment Deposits ☐ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: Hydrology indicated by presence of ordinary high water mark). Streambed widt	4-foot wide drainage (measured at approximate h is 10 feet (measured from bank to bank).

SOILS						
Map Unit Name		 .				
		ia sandy loa	am		Drainage Class: Moderately well drained	
1	,				Field Observations	
Taxonomy (Sul	ogroup): Pa	chic Haploxe	eroll	.s C	Confirm Mapped Type? 🔲 Yes 🔲 No	
			_			
Profile Descript	tion:				1)	
Depth		Matrix Color		Mottle Co	· · · · · · · · · · · · · · · · · · ·	
(inches)	Horizon	(Munsell Mois		Munsell M		
0-2		10YR 3/2				
2		4			Cobble	
	<u> </u>	 	+			
			+			
<u> </u>	+		-			
l	 					
<u> </u>						
Hydric Soil Ind	dicators:					
☐ Histo	osol				Concretions	
☐ Histic	ic Epipedon				High Organic Content in surface layer in Sandy Soils	
	idic Odor			☐ Or	Organic Streaking in Sandy Soils	
	ic Moisture R	Regime		☐ Li	Listed on Local Hydric Soils List	
	ucing Conditi			☐ Li	Listed on National Hydric Soils List	
		Chroma Colors			Other (Explain in Remarks)	
-			_	_	` ^	
Remarks: Cou	ıld not d	lig past 2 in	nches	due t	to cobble. Width of cobble is 4 feet within	
drainage.	Although	h it is poss	sible	that s	sediment deposits between cobble contain hydric	
characteri	istics, it	t is not exp	pect	to be	so, due to the lack of hydric conditions in the	
surface so	/il.					
WETLAND	DETERM	INATION				
Hydrophytic V	egetation Pr	esent? Yes	1	No 🛛		
1	00		_	·		
Wetland Hydro	ology Presen'	it? Yes	⊠ N	No 🔲	.	
A	,100)		_		_	
Hydric Soils Pi	resent?	Yes	\square 1	No 🛛	Is this Sampling Point Within a Wetland? Yes \(\simega\) No \(\simega\)	
					1 0	
Remarks: Thi	is area o	f Southern	Coast	Live	Oak Riparian Forest does not qualify as an ACOE	
wetland.	However.	the area is	s iur	risdict	tional under CDFG as Adjacent Riparian habitat.	
The draina	age is cor	nsidered to	be N	Non-wet	tland Waters of the U.S. (ACOE) and is also	
jurisdicti	onal unde	er the Count	ly an	.d CDFG	ż.	
	, ·					

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army	Date: County: State:	18 December 2001		
Applicant/Owner:	Salvation Army		San Diego		
Investigator:	Vanessa A. Lee and Kara		California		
i II		⊠ Yes □ Yes □ Yes	□ No ⊠ No ⊠ No	Community ID: Transect ID: Plot ID:	CLORF T 4 , 20ft DP 21A, PP 21A

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Quercus agrifolia	T	NI	9.		.•
2. Eriogonum fasciculatum	Н	NI	10.		
3. Bromus diandrus	H	NI	11.		
4. Bromus hordeaceus	Н	FACU	12.		
5. Cryptantha intermedia	H	NI	13.		
6.			14.		
7.			15.		
8.			16.		
Percentage of Dominant Species that ar	e OBL, FACV	or FAC (excl	uding FAC-). 0%		
Remarks: No hydrophytic vege	tation pre	esent.			

☐ Recorded Data (Described in Remarks):	Wetland Hydrology Indicators:
☐ Stream, Lake, or Tide Gauge	Primary Indicators:
☐ Aerial Photographs	☐ Inundated
☐ Other	☐ Saturated in Upper 12 inches
☐ No Recorded Data Available	☐ Water Marks
	☐ Drift Lines
Field Observations:	☐ Sediment Deposits
Depth of Surface Water: (in.)	☐ Drainage Patterns in Wetlands
Depth to free Water in Pit (in.)	Secondary Indicators (2 or more required):
Depth of Saturated Soil: (in.)	☐ Oxidized Root Channels in Upper 12 Inches
	☐ Water-Stained Leaves
	☐ Local Soil Survey Data
	☐ FAC-Neutral Test
	☐ Other (Explain in Remarks)
Remarks: No hydrology indicators present.	
Remarks: No hydrology indicators present.	☐ Local Soil Survey Data ☐ FAC-Neutral Test

Map Unit Name (Series and Phas Taxonomy (Sub	use): Visalia	F		e Class: Mode oservations Mapped Type?	lerately ⊠Y	y well drai Yes □No	ined			
Tunonomy	/Вгочру		<u> </u>							
Profile Descript	tion;									ľ
Depth	.1012.	Matrix Color	r N	Mottle Co	olors	Mottle]'
(inches)	Horizon	(Munsell Mois		Aunsell N		(Abundance/Co	ontrast)	Texture, Con	cretions, Stru	icture, etc
0-14		10YR 3/2			/1000-		//		andy Loam	
· · · · · · · · · · · · · · · · · ·			$\overline{}$							
ļ — — — — — — — — — — — — — — — — — — —										
								·		
									<u> </u>	
Hydric Soil Indicators: Histosol Histic Epipedon Sulfidic Odor Organic Streaking in Sandy Soils Aquic Moisture Regime Reducing Conditions Gleyed or Low-Chroma Colors Concretions High Organic Content in surface layer in Sandy Soils Organic Streaking in Sandy Soils Listed on Local Hydric Soils List Listed on National Hydric Soils List Cher (Explain in Remarks) Remarks: No hydric soil indicators.										
WETLAND Hydrophytic Ve			☐ No	o 🛛						
1	0		_ ,	<u> </u>						,
Wetland Hydro	ology Present?	Yes	∐ No	o 🛛						
1									г ,,	E
Hydric Soils Pr	resent?	Yes	∐ No	о 🛛	Is this	s Sampling Point V	Within a	Wetland? Ye	es 📙 No	o 🛛
Remarks: Dat Understory Riparian ha	, is Diegan	ocated at 1 Coastal	the ed Sage S	lge of crub.	Sout: Area	hern Coast L a is jurisdi	Live Oa	k Riparian l under CD	Forest c	anopy.

(1987 COE Wetlands Delineation Manual)

Project/Site: Applicant/Owner: Investigator:	Salvation Army Salvation Army Vanessa A. Lee and Kara A. Alt		Date: County: State:	18 December 2001 San Diego California	
		⊠ Yes ⊠ Yes □ Yes	□ No □ No ⊠ No	Community ID: Transect ID: Plot ID:	CSS T 5, Oft DP 22A, PP 22A

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Hirschfeldia incana	Н	NI	9.		
2. Avena barbata	Н	NI	10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		-
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%

Remarks: No hydrophytic vegetation present. Data point located in Diegan Coastal Sage Scrub vegetation with high component of non-native grasses and forbs. However, data point is also located at the edge of main access road where disturbance is greater.

 ☐ Recorded Data (Described in Remarks): ☐ Stream, Lake, or Tide Gauge ☐ Aerial Photographs ☐ Other ☐ No Recorded Data Available 	Wetland Hydrology Indicators: Primary Indicators: Inundated Saturated in Upper 12 inches Water Marks Drift Lines
Field Observations: Depth of Surface Water: Depth to free Water in Pit Depth of Saturated Soil: (in.)	☐ Sediment Deposits ☐ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: No hydrology indicators.	

SOILS								
Map Unit Name		3 - 1		Duringa	Ol - Madamatal	22 2		
(Series and Phas	e): Visalia	a sandy loam	.1	Drainage Field Ob	bservations Moderatel	ly well drained		
Taxonomy (Sub	group): Pach	nic Haploxer	colls			Yes □ No		
Profile Description:								
Depth		Matrix Color	_	ottle Colors	Mottle]		
(inches)		(Munsell Moist)	(Mur	nsell Moist)	(Abundance/Contrast)	Texture, Concretions, Structure, etc.		
0-4" 4-6"		10YR 3/3 7.5YR 4/6	+			Sandy Loam Sandy Loam		
			1					
 			-					
ļ			_					
Hydric Soil Indicators: Histosol Histic Epipedon Sulfidic Odor Aquic Moisture Regime Reducing Conditions Gleyed or Low-Chroma Colors Remarks: Potential atypical situation, because data point is adjacent to main access road. After 6 inches of digging, shovel hit hard surface, which was most likely due to road materials.								
WETLAND DETERMINATION								
Hydrophytic Ve	getation Prese	ent? Yes _	No					
Wetland Hydrol	logy Present?	Yes	No					
Hydric Soils Pre	esent?	Yes	No	Is this	s Sampling Point Within a	a Wetland? Yes 🗌 No 🛛		

Remarks: Data point located in disturbed Diegan Coastal Sage Scrub vegetation (high component of non-native, weedy vegetation). This gap in the Southern Coast Live Oak Riparian Forest could be a potential wetland mitigation area.

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army Salvation Army		Date:	18 December 2001 San Diego	
Applicant/Owner: Investigator:	Vanessa A. Lee and Kara	County: State:	California		
investigator:	vallessa A. Dee alla Kata	<u> </u>	State.	California	
				Community ID:	CSS
	ances exist on the site?	⊠ Yes	□ No	Community ID:	
Is the site significan	tly disturbed (Atypical Situation)?	Yes	□ No	Transect ID:	T 5, 10ft
Is the area a potentia	al Problem Area?	☐ Yes	⊠ No	Plot ID:	DP 23A, PP 23A
(If needed, expla	in on reverse.)				

VEGETATION

Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
Н	NI	9.		
Н	NI	10.		
H	FACU	11.		
Н	FAC	12.		
		13.		
		14.		
		15.		
		16.		
	Stratum H H H H	H NI H NI H FACU	H NI 9. H NI 10. H FACU 11. H FAC 12. 13. 14.	H NI 9. H NI 10. H FACU 11. H FAC 12. 13. 14.

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 25%

Remarks: Hydrophytic vegetation criteria not satisfied. Data point located in Diegan Coastal Sage Scrub with high component of non-native grasses.

 ☐ Recorded Data (Described in Remarks): ☐ Stream, Lake, or Tide Gauge ☐ Aerial Photographs ☐ Other ☐ No Recorded Data Available 	Wetland Hydrology Indicators: Primary Indicators: Inundated Saturated in Upper 12 inches Water Marks Drift Lines
Field Observations: Depth of Surface Water: Depth to free Water in Pit Depth of Saturated Soil: Output Ou	□ Sediment Deposits □ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): □ Oxidized Root Channels in Upper 12 Inches □ Water-Stained Leaves □ Local Soil Survey Data □ FAC-Neutral Test □ Other (Explain in Remarks)
Remarks: Hydrology indicated by 4-foot wide water mark). Streambed width is 9 feet (m	drainage (measured at approximate ordinary high easured from bank to bank).

Map Unit Name	2				<u>-</u>			
(Series and Phase): Visalia sandy loam Drainage Class: <u>Moderately well drained</u>								
				Field Obse				
Taxonomy (Subgroup): Pachic Haploxerolls Confirm Mapped Type?								
Profile Description:								
Depth		Matrix Color	Mottle (Colors	Mottle			
(inches)	Horizon (N	Munsell Moist)	(Munsell	Moist)	(Abundance/Contra	ast) Texture, Co	oncretions, Structure, etc.	
0			II.`	-			Cobble	
			-					
			-					
Hydric Soil Ind			_					
☐ Histo				Concretion				
	c Epipedon				nic Content in surfac		Soils	
	dic Odor				reaking in Sandy So			
	c Moisture Regi	me			ocal Hydric Soils L			
	cing Conditions				National Hydric Soil	ls List		
☐ ☐ Gleye	ed or Low-Chro	ma Colors		Other (Exp	lain in Remarks)			
Remarks: Cou	ld not dig	due to pre	esence of	cobble	. Cobble wid	th within dra	ainage is 4 feet.	
	ible that s t be determ	ediment de ined Tr	posits be	etween o	coppie satisiy	y nyaric cond red to be a n	litions; however, atural atypical	
	and the pr					rea co be a n	acului acypicai	
bicaacion,	and one pr	0001100 01						
<u> </u>						· · · · · · · · · · · · · · · · · · ·		
WETLAND	DETERMIN.	ATION						
	egetation Presen] No 🛛					
	_		7					
Wetland Hydro	logy Present?	Yes ∑	No L					
Hydric Soils Pr	resent?	Yes 🗵	No 🗆	Is this S	Sampling Point With	hin a Wetland?	Yes 🗌 No 🛛	
Remarks: The	data noint	is not w	ithin an	ACOE we	tland: howeve	r. the draina	age is considered	
to be Non-	wetland Wat	ers of the	U.S. (A	COE) and	d is also jur:	isdictional u	inder the County	
and CDFG.	to be Non-wetland Waters of the U.S. (ACOE) and is also jurisdictional under the County							
and obto.					,		•	
dia esi c.					J		•	
					,		•	

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army	Date:	18 December 2001		
Applicant/Owner:	Salvation Army	County:	San Diego		
Investigator:	Vanessa A. Lee and Kara	State:	California		
_					
Do normal circumst	tances exist on the site?	⊠ Yes	□No	Community ID:	CSS
Is the site significar	☐ Yes	⊠ No	Transect ID:	T 5, 20ft	
Is the area a potenti	☐ Yes	⊠ No	Plot ID:	DP 24A, PP 24A	
(If needed, expla					

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator	
1. Bromus diandrus	H	NI	9.			
2. Erigonum fasciculatum	H	NI	10.			
3.			11.			
4.			12.			
5.			13.			
6.			14.			
7.			15.			
8.			16.			
Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0% Remarks: No hydrophytic vegetation present.						
						

 ☐ Recorded Data (Described in Remarks): ☐ Stream, Lake, or Tide Gauge ☐ Aerial Photographs ☐ Other ☐ No Recorded Data Available 	Wetland Hydrology Indicators: Primary Indicators: Inundated Saturated in Upper 12 inches Water Marks Drift Lines
Field Observations: Depth of Surface Water: Depth to free Water in Pit Depth of Saturated Soil: (in.)	☐ Sediment Deposits ☐ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: No hydrology indicators.	

BOILD							
Map Unit Name (Series and Phas		a sandy lo	am		nge Class: Moderatel Observations	ly well drained	
Taxonomy (Sub	ogroup): Pach	nic Haplox	erolls	Confir	m Mapped Type?	Yes □ No	
Profile Descript	tion:						
Depth		Matrix Color		tle Colors	Mottle		
(inches)	1	(Munsell Mois		sell Moist)	· · · · · · · · · · · · · · · · · · ·	Texture, Concretions, Structure, etc.	
0-14"		10YR 3/3				Sandy Loam	
			-				
	+						
	+					-	
Hydric Soil Indicators: Histosol Histic Epipedon Sulfidic Odor Organic Streaking in Sandy Soils Aquic Moisture Regime Reducing Conditions Gleyed or Low-Chroma Colors Remarks: No hydric soil indicators.							
WETLAND Hydrophytic Ve			☐ No	\boxtimes			
11,000	/50mmon	JII					
Wetland Hydro	logy Present?	Yes	☐ No				
Hydric Soils Pro	esent?	Yes	□ No	⊠ Is th	is Sampling Point Within a	Wetland? Yes No 🛛	
Remarks: Data point located within Diegan Coastal Sage Scrub. Area is located within gap of Southern Coast Live Oak Riparian Forest, and could be potential wetland mitigation area.							

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army			Date:	18 December 2001
Applicant/Owner:					San Diego
Investigator:	Vanessa A. Lee and Kara A. Altvater			State:	California
Do normal circumst	ances exist on the site?	⊠ Yes	□ No	Community ID:	CSS
Is the site significan	☐ Yes	⊠ No	Transect ID:	T 6, 0ft	
Is the area a potenti	☐ Yes	⊠ No	Plot ID:	DP 25A, PP 25A	
(If needed, expla	in on reverse.)				

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator	
1. Eriogonum fasciculatum	H	NI	9.			
2. Hirschfeldia incana	H	NI	10.			
3. Bromus diandrus	Н	NI	11.			
4.			12.			
5.			13.			
6.			14.			
7.			15.			
8.			16.			
Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%						
Remarks: Hydrophytic vegetation criteria not satisfied. Disturbed Coastal Sage Scrub vegetation (high component of non-native grasses).						

Recorded Data (Described in Remarks):	Wetland Hydrology Indicators:
Stream, Lake, or Tide Gauge	Primary Indicators:
Aerial Photographs	☐ Inundated
_ Ll Other	Saturated in Upper 12 inches
☐ No Recorded Data Available	☐ Water Marks
	☐ Drift Lines
Field Observations:	☐ Sediment Deposits
Depth of Surface Water: (in.)	☐ Drainage Patterns in Wetlands
Depth to free Water in Pit (in.)	Secondary Indicators (2 or more required):
Depth of Saturated Soil: (in.)	Oxidized Root Channels in Upper 12 Inches
	☐ Water-Stained Leaves
	☐ Local Soil Survey Data
	☐ FAC-Neutral Test
	Other (Explain in Remarks)
Remarks: No hydrology indicators.	

Map Unit Name (Series and Phase): Visalia sandy loam Drainage Class: Moderately well drained											
	·	_		Fiel	eld Obse	ervations					
Taxonomy (Subgroup): Pachic Haploxerolls Confirm Mapped Type? Yes No											
D #10 Descrip	Profile Description:]'	
Profile Descript Depth	<u>non:</u>	Matrix Color	- Mo	ttle Colo	O#0	Mottl	41 ₀)'
(inches)	Horizon ((Munsell Mois		nsell Mo		(Abundance/		Texture	Concret	tions, Struct	ture etc.
0-16"		10YR 3/3		18011 112	131,	(Abundance/		TOALL.,		y Loam	1010, 010.
	+				-			 			
]	 							-			 '
					$\overline{}$						
Hydric Soil Indicators: Histosol High Organic Content in surface layer in Sandy Soils Sulfidic Odor Organic Streaking in Sandy Soils Aquic Moisture Regime Listed on Local Hydric Soils List Reducing Conditions Usted on National Hydric Soils List Gleyed or Low-Chroma Colors Other (Explain in Remarks) Remarks: No hydric soil indicators.											
	WETLAND DETERMINATION Hydrophytic Vegetation Present? Yes No										
	_										ļ
Wetland Hydrol	logy Present?	Yes	☐ No								
Hydric Soils Pro	tesent?	Yes	□ No	I	Is this S	Sampling Poir	nt Within a	Wetland?	Yes	□ No	
Remarks: Disturbed Coastal Sage Scrub vegetation (high component of non-native grasses and immediately adjacent to main access road).											

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army	Date:	18 December 2001		
Applicant/Owner:	Salvation Army	County:	San Diego		
Investigator:	Vanessa A. Lee and Kara	State:	California		
Do normal circumst	tances exist on the site?	⊠ Yes	☐ No	Community ID:	CSS
Is the site significan	☐ Yes	⊠ No	Transect ID:	T6, 10ft	
Is the area a potenti	☐ Yes	⊠ No	Plot ID:	DP 26A, PP 26A	
(If needed, expla	in on reverse.)				

VEGETATION

Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
Н	NI	9.		
Н	FAC	10.		
H	NI	11.		
		12.		
		13.		
		14.		
		15.		
		16.		
	H H H	H NI H FAC H NI	H NI 9. H FAC 10. H NI 11. 12. 13. 14. 15.	H NI 9. H FAC 10. H NI 11. 12. 13. 14.

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 33%

Remarks: Hydrophytic vegetation criteria not satisfied. Diegan Coastal Sage Scrub vegetation with high component of non-native grasses and forbs.

 ☐ Recorded Data (Described in Remarks): ☐ Stream, Lake, or Tide Gauge ☐ Aerial Photographs ☐ Other ☐ No Recorded Data Available 	Wetland Hydrology Indicators: Primary Indicators: Inundated Saturated in Upper 12 inches Water Marks Drift Lines				
Field Observations: Depth of Surface Water: (in.) Depth to free Water in Pit (in.) Depth of Saturated Soil: (in.)	☐ Sediment Deposits ☐ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)				
Remarks: Hydrology indicated by presence of 7-foot wide drainage (measured at approximate ordinary high water mark). Streambed width 11 feet (measured from bank to bank).					

SOILS Map Unit Name Drainage Class: Moderately well drained (Series and Phase): Visalia sandy loam Field Observations Taxonomy (Subgroup): Pachic Haploxerolls Confirm Mapped Type? ⊠ Yes □ No Profile Description: Mottle Matrix Color Mottle Colors Depth (Abundance/Contrast) Texture, Concretions, Structure, etc. (inches) Horizon (Munsell Moist) (Munsell Moist) Sandy Loam 0-3 10YR 3/2 Cobble 3 Hydric Soil Indicators: ☐ Concretions ☐ Histosol ☐ High Organic Content in surface layer in Sandy Soils ☐ Histic Epipedon ☐ Sulfidic Odor ☐ Organic Streaking in Sandy Soils ☐ Listed on Local Hydric Soils List ☐ Aquic Moisture Regime ☐ Listed on National Hydric Soils List ☐ Reducing Conditions

☐ Other (Explain in Remarks)

feet. Although it is possible that sediment deposits between cobble contain hydric characteristics, it is not expect to be so, due to the lack of hydric conditions in the

WETLAND DETERMINATION

surface soil.

☐ Gleyed or Low-Chroma Colors

Remarks: Could not dig past 3 inches due to cobble.

Hydrophytic Vegetation Present?	Yes		No					
Wetland Hydrology Present?	Yes	\boxtimes	No					
Hydric Soils Present?	Yes		No		Is this Sampling Point Within a Wetland? Yes \(\sum \) No \(\otimes\)			
Remarks: This data point does not lie within an ACOE wetland; however, the drainage is considered to be Non-wetland Waters of the U.S. (ACOE) and is also jurisdictional under the County and CDFG.								

Cobble width within the drainage is 7

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army			Date:	18 December 2001	
Applicant/Owner:	Salvation Army	County:	San Diego			
Investigator:	Vanessa A. Lee and Kara	er	State:	California		
Do normal circums	tances exist on the site?	⊠ Yes	□ No	Community ID:	CSS	
Is the site significantly disturbed (Atypical Situation)?		☐ Yes	⊠ No	Transect ID:	T 6, 20ft	
Is the area a potenti	al Problem Area?	☐ Yes	⊠ No	Plot ID:	DP 27A, PP 27A	
(If needed, expla						

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator		
l. Picris echioides	H	FAC	9.				
2. Bromus diandrus	H	NI	10.				
S.			11.				
ł.			12.				
5.			13.				
5.			14.				
7.			15.				
3.			16.				
Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 50%							
Remarks: Hydrophytic vegetation criteria not satisfied.							

 ☐ Recorded Data (Described in Remarks): ☐ Stream, Lake, or Tide Gauge ☐ Aerial Photographs ☐ Other ☐ No Recorded Data Available 	Wetland Hydrology Indicators: Primary Indicators: Inundated Saturated in Upper 12 inches Water Marks Drift Lines
Field Observations: Depth of Surface Water: Depth to free Water in Pit Depth of Saturated Soil: (in.) (in.)	☐ Sediment Deposits ☐ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: No hydrology indicators.	

SOILS								
Map Unit Name								
(Series and Phase): Visalia sandy loam Drainage Class: Moderately well drained								
Field Observations								
Taxonomy (Subgroup): Pachic Haploxerolls Confirm Mapped Type? 🛛 Yes 🔲 No								
Profile Description:								
Depth	Matrix Cole	or	Mottl	e Colors	Mottle			
(inches) Horizon	(Munsell Mo	oist)	(Muns	ell Moist)	(Abundance/Contrast)	Texture, Concretio	ns, Structure, etc.	
0-15"	10YR 3/	2	`			Sandy	Loam	
								
Hydric Soil Indicators:					<u> </u>	<u> </u>		
Hydric Soil Indicators: Histosol				Concreti	one			
					ganic Content in surface lay	ver in Sandy Sails		
☐ Histic Epipedon☐ Sulfidic Odor			片		Streaking in Sandy Soils	ei ili Sandy Sons		
	:				Local Hydric Soils List			
Aquic Moisture Re						4		
Reducing Condition			片		National Hydric Soils Lis	ι		
☐ Gleyed or Low-Ch	roma Colors		Ш	Otner (E	xplain in Remarks)			
						····		
Remarks: No hydric so	il indica	tors	•					
<u> L</u>								
WETLAND DETERMI	(NIATION)							
			_	K-20 1		· · · · · · · · · · · · · · · · · · ·		
Hydrophytic Vegetation Pres	sent? Yes	Ш	No					
11		_						
Wetland Hydrology Present?	Yes		No	$\boxtimes \mid$				
Hydric Soils Present?	Yes		No	🛛 Is thi	s Sampling Point Within a	Wetland? Yes	□ No 🛛	
Remarks: Disturbed Co	astal Sag	e Sc	rub v	egetatio	on (high component	of non-native	grasses).	
Area has potential	Remarks: Disturbed Coastal Sage Scrub vegetation (high component of non-native grasses). Area has potential to serve as wetland mitigation area.							

(1987 COE Wetlands Delineation Manual)

Project/Site: Applicant/Owner: Investigator:	Salvation Army Salvation Army Vanessa A. Lee and Kara	Date: County: State:	18 December 2001 San Diego California		
		⊠ Yes □ Yes □ Yes	□ No ⊠ No ⊠ No	Community ID: Transect ID: Plot ID:	CLORF T 6, 30ft DP 28A, PP 28A

VEGETATION

Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
Н	NI	9.		
H	NI	10.		
Н	NI	11.		L
Т	FACW	12.		
		13.		
		14.		
,		15.		
1		16.		
	H H H	H NI H NI H NI	H NI 9. H NI 10. H NI 11. T FACW 12. 13. 14. 15.	H NI 9. H NI 10. H NI 11. T FACW 12. 13. 14. 15.

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 25%

Remarks: Hydrophytic vegetation criteria not satisfied. Disturbed Diegan Coastal Sage Scrub vegetation beneath canopy of Coast Live Oak Riparian Forest.

 ☐ Recorded Data (Described in Remarks): ☐ Stream, Lake, or Tide Gauge ☐ Aerial Photographs ☐ Other 	Wetland Hydrology Indicators: Primary Indicators: Inundated Saturated in Upper 12 inches
☐ No Recorded Data Available	☐ Water Marks ☐ Drift Lines
Field Observations: Depth of Surface Water: Depth to free Water in Pit Depth of Saturated Soil: (in.)	☐ Sediment Deposits ☐ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: No hydrology indicators.	

Map Unit Name (Series and Phase): Visalia sandy loam Drainage Class: Moderately well drained								
(201102 and 1 1100	3). VIDALL	d bana,	Jan				servations	y well alama
Taxonomy (Subg	group): Pac'	hic <u>Haplo</u>	xe <u>ro</u> ʻ	11 <u>s</u>				Yes No
Profile Description	ion:				~ •		والمراج المراجع	J'
Depth	- •	Matrix Colo			le Colors		Mottle	The Company Standard Ato
(inches)	Horizon	(Munsell Moi			sell Mois	<u>st)</u>	(Abundance/Contrast)	Texture, Concretions, Structure, etc. Sandy Loam
0-14"		TUIK 3/-	3			\rightarrow		Dattuy Loan
						\exists		
							<u> </u>	
<u> </u>			-+			\rightarrow		
<u> </u>			$\overline{}$			一		
Histoss Histic Sulfidi Aquic Reduc Gleyed	 ☐ Histic Epipedon ☐ Sulfidic Odor ☐ Aquic Moisture Regime ☐ Reducing Conditions ☐ High Organic Content in surface layer in Sandy Soils ☐ Unique Content in Surface layer in Sandy Soils ☐ Listed on Local Hydric Soils List ☐ Listed on National Hydric Soils List 							
WETLAND I	· · · · · · · · · · · · · · · · · · ·			No				
Wetland Hydrol	logy Present?	? Yes		No]				
Hydric Soils Pre	esent?	Yes		No	Is	this	Sampling Point Within a	a Wetland? Yes 🔲 No 🛛
Remarks: Disturbed Coastal Sage Scrub beneath canopy of Coast Live Oak Riparian Forest. Area is jurisdictional under CDFG as Adjacent Riparian habitat.								

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army	Date:	18 December 2001		
Applicant/Owner:					San Diego
Investigator:	Vanessa A. Lee and Kara A. Altvater			State:	California
Do normal circums	tances exist on the site?	⊠ Yes	□ No	Community ID:	CLORF
Is the site significar	ntly disturbed (Atypical Situation)?	☐ Yes	⊠ No	Transect ID:	T 6, 40ft
Is the area a potenti	☐ Yes	⊠ No	Plot ID:	DP 29A, PP 29A	
(If needed, expla		··· ···			

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Eeriogonum fasciculatum	Н	NI	9.		
2. Platanus racemosa	T	FACW	10.		
3. Quercus agrifolia	T	NI	11.		
4. Amsinckia intermedia	H	NI	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percentage of Dominant Species that are Remarks: Hydrophytic vegetati		···			

 ☐ Recorded Data (Described in Remarks): ☐ Stream, Lake, or Tide Gauge ☐ Aerial Photographs ☐ Other ☐ No Recorded Data Available 	Wetland Hydrology Indicators: Primary Indicators: Inundated Saturated in Upper 12 inches Water Marks Drift Lines
Field Observations: Depth of Surface Water: Depth to free Water in Pit Depth of Saturated Soil: (in.)	☐ Sediment Deposits ☐ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: No hydrology indicators.	

SOILS Map Unit Name Drainage Class: Moderately well drained (Series and Phase): Visalia sandy loam Field Observations Confirm Mapped Type? ✓ Yes ☐ No Taxonomy (Subgroup): Pachic Haploxerolls Profile Description: Mottle Colors Mottle Matrix Color Depth Texture, Concretions, Structure, etc. (Abundance/Contrast) (Munsell Moist) (Munsell Moist) (inches) Horizon Sandy Loam 0-14" 10YR 3/2 ---Hydric Soil Indicators: Concretions ☐ Histosol ☐ High Organic Content in surface layer in Sandy Soils ☐ Histic Epipedon Organic Streaking in Sandy Soils ☐ Sulfidic Odor Listed on Local Hydric Soils List ☐ Aquic Moisture Regime ☐ Listed on National Hydric Soils List ☐ Reducing Conditions ☐ Other (Explain in Remarks) ☐ Gleyed or Low-Chroma Colors Remarks: No hydric soil indicators. WETLAND DETERMINATION \boxtimes Hydrophytic Vegetation Present? No \boxtimes No Wetland Hydrology Present? Yes X Is this Sampling Point Within a Wetland? □ No \boxtimes No Hydric Soils Present? Yes Remarks: Disturbed Diegan Coastal Sage Scrub beneath the canopy of Coast Live Oak Riparian Forest. Area is jurisdictional under CDFG as Adjacent Riparian habitat.

(1987 COE Wetlands Delineation Manual)

Project/Site: Applicant/Owner: Investigator:	Salvation Army Salvation Army Vanessa A. Lee and Kara A. Altvater			Date: County: State:	18 December 2001 San Diego California
Do normal circumstances exist on the site? Is the site significantly disturbed (Atypical Situation)? Is the area a potential Problem Area? (If needed, explain on reverse.)		⊠ Yes	□ No	Community ID:	CLORF
		□ Yes	⊠ No	Transect ID:	T 6, 50ft
		□ Yes	⊠ No	Plot ID:	DP 30A, PP 30A

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
. Quercus agrifolia	Т	NI	9.		
. Platanus racemosa	T	FACW	10.		
3. Amsinckia intermedia	Н	NI	11.		
			12.		
5.			13.		
·			14.		
7.			15.		
3.			16		
Percentage of Dominant Species that a	re OBL, FACW	or FAC (excl	uding FAC-). 33%		
Remarks: Hydrophytic vegetat	ion criter	ia not sa	isfied.		
community and employed a second and a			•		

 □ Recorded Data (Described in Remarks): □ Stream, Lake, or Tide Gauge □ Aerial Photographs □ Other □ No Recorded Data Available 	Wetland Hydrology Indicators: Primary Indicators: Inundated Saturated in Upper 12 inches Water Marks Drift Lines
Field Observations: Depth of Surface Water: Depth to free Water in Pit Depth of Saturated Soil: (in.)	☐ Sediment Deposits ☐ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: No hydrology indicators.	

Hydric Soils Present?

SOILS								
Map Unit Name								
(Series and Phase): Visalia sandy loam Drainage Class: Moderately well drained								
Tayonomy (Sul	Field Observations Taxonomy (Subgroup): Pachic Haploxerolls Confirm Mapped Type? Yes No							
Taxonomy (Suc	group). La	CHIC Hapionere	7118 - COMMIN	Triapped 13pe.	100			
Profile Descript	tion:				,			
Depth		Matrix Color	Mottle Colors	Mottle	The state of the s			
(inches)	Horizon	(Munsell Moist)	(Munsell Moist)	(Abundance/Contrast)	Texture, Concretions, Structure, etc. Sandy Loam			
0-16"		101K 3/2	 		Salidy Hoali			
					 			
	 			 				
					1			
Hydric Soil Ind ☐ Histo			☐ Concretion	ong				
	ic Epipedon			ons ganic Content in surface lay	ver in Sandy Soils			
☐ Sulfi	idic Odor		☐ Organic S	Streaking in Sandy Soils	, -2 -1			
☐ Aqui	ic Moisture F		☐ Listed on	n Local Hydric Soils List				
	ucing Conditi			n National Hydric Soils Lis	ıt.			
☐ Gley	ed or Low-C	Chroma Colors	☐ Other (E)	xplain in Remarks)				
Domarka: No		soil indicator	~~					
Remarks. Inc) nyaric	SOLI INGLEACO.	rs.					
			<u></u>					
		none of a community of the						
WETLAND								
Hydrophytic V	egetation Pro	resent? Yes	No 🛛					
Wetland Hydro	ology Presen	nt? Yes \square	No 🛛					

Remarks: Data point within Coast Live Oak Riparian Forest. Area is jurisdictional under CDFG as Adjacent Riparian habitat.

Is this Sampling Point Within a Wetland?

 \boxtimes

☐ No

Yes

Yes

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army	Date:	18 December 2001		
Applicant/Owner: Salvation Army			County:	San Diego	
Investigator:	<u> </u>			State:	California
Do normal circumst	ances exist on the site?	⊠ Yes	☐ No	Community ID:	CLORF
Is the site significan	tly disturbed (Atypical Situation)?	☐ Yes	☑ No	Transect ID:	T 6, 60ft
Is the area a potenti		☐ Yes	⊠ No	Plot ID:	DP 31A, PP 31A
(If needed, expla	in on reverse.)				

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Platanus racemosa	T	FACW	9.		
2. Bromus diandrus	Н	NI	10.		
3. Quercus agrifolia	T	NI	11.		-
4. Picris echioides	Н	FAC	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percentage of Dominant Species that Remarks: Hydrophytic vegeta					

 ☐ Recorded Data (Described in Remarks): ☐ Stream, Lake, or Tide Gauge ☐ Aerial Photographs ☐ Other ☐ No Recorded Data Available 	Wetland Hydrology Indicators: Primary Indicators: Inundated Saturated in Upper 12 inches Water Marks Drift Lines
Field Observations: Depth of Surface Water: Depth to free Water in Pit Depth of Saturated Soil: (in.)	☐ Sediment Deposits ☐ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: No hydrology indicators.	

Map Unit Name				,	
(Series and Phase): Visali	ia sandy loam	ı	Drainage		ly well drained
	_			bservations	
Taxonomy (Subgroup): Pac	thic Haploxer	<u>olls</u>	Contirm	n Mapped Type?	Yes No
m on D indian,					Į/
Profile Description:	Matrix Color	Mottl	e Colors	Mottle] '
Depth (inches) Horizon	(Munsell Moist)		ell Moist)	(Abundance/Contrast)	Texture, Concretions, Structure, etc.
(inches) Horizon 0-16"	10YR 3/2			(Abdildance/Contrast)	Sandy Loam
0-10	TOIK 3/2	+		-	During,
		+			
		<u> </u>			
	·	+			-
Hydric Soil Indicators:					
Hydric Soil Indicators: Histosol		П	Concretio	ona	,
☐ Histosol☐ Histic Epipedon		H		ons ganic Content in surface lay	war in Sandy Soils
☐ Histic Epipedon ☐ Sulfidic Odor		Ħ		Streaking in Sandy Soils	yel in Sandy Sons
☐ Sulfidic Odor☐ Aquic Moisture Re	l saima	H		n Local Hydric Soils List	!
☐ Aquic Moisture Re ☐ Reducing Condition		Ħ		n Local Hydric Solls List n National Hydric Soils Lis	ot .
☐ Reducing Condition ☐ Gleyed or Low-Ch		H		n National Hydric Solis Lis Explain in Remarks)	1
☐ Gieyeu or 120 m €1	Ifoma Colors	_	Omer (2.	хріані ін коншко,	
The strategies	17 :				
Remarks: No hydric s	3011 Indicaco	rs.			1
<u> </u>					
•					
WETLAND DETERM	INATION				
Hydrophytic Vegetation Pre	esent? Yes	No [
пушорнуно тодошиот	Schi: 105	140 _			
Wetland Hydrology Present	t? Yes 🗌] No [\boxtimes		
Wenand Hydrology		110 _			
Hydric Soils Present?	Yes 🗍] No [Is this	is Sampling Point Within a	a Wetland? Yes 🔲 No 🛛
Hydric Bons I 1555		ـ	4) Dumpn-0	
Remarks Data point	within Coast	Trive Or	ak Ripa:	rian Forest. Area	a is jurisdictional under
CDFG as Adjacent Ri	iparian habit	at.	*** *	# WAR = = =	
GD10 G1 1	P ~	~~			
#					

(1987 COE Wetlands Delineation Manual)

Project/Site: Salvation Army Applicant/Owner: Salvation Army Investigator: Vanessa A. Lee and Kara A. Altvater				Date: County: State:	18 December 2001 San Diego California
Do normal circums: Is the site significant is the area a potenti (If needed, explain)	⊠ Yes	□ No	Community ID:	CLORF	
	□ Yes	⊠ No	Transect ID:	T 6, 70ft	
	□ Yes	⊠ No	Plot ID:	DP 32A, PP 32A	

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator	
L. Quercus agrifolia	T	NI	9.			
2. Adenostoma fasciculatum	S	NI	10.			
3. Bromus diandrus	H	NI	11.			
1. Platanus racemosa	T	FACW	12.			
5.			13.			
6.			14.			
7.			15.			
8.			16.			
8. 16. Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 25% Remarks: Hydrophytic vegetation criteria not satisfied.						

 ☐ Recorded Data (Described in Remarks): ☐ Stream, Lake, or Tide Gauge ☐ Aerial Photographs ☐ Other ☐ No Recorded Data Available 	Wetland Hydrology Indicators: Primary Indicators: Inundated Saturated in Upper 12 inches Water Marks Drift Lines
Field Observations: Depth of Surface Water: Depth to free Water in Pit Depth of Saturated Soil: (in.)	☐ Sediment Deposits ☐ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: No hydrology indicators.	

SOILS							
Map Unit Name							
(Series and Pha-	.se): Visal:	ia sandy lo	am		Drainage	e Class: Moderate	ely well drained
Taxonomy (Sul	horoun): Pa	chic Haplox	reroll				⊠ Yes □ No
Tanonomy (====	group, -	21110 11-1-	<u> </u>	,	.0	Тутарр — у	3 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Profile Descript	tion:				-	3.51	·
Depth (inches)	TTizon	Matrix Color		Mottle Co Munsell M		Mottle (Abundance/Contrast)	Texture, Concretions, Structure, etc.
(inches) 0-1"	Horizon	(Munsell Mois		lunsen iv	/10151)	(Abundance/Contrast)	Loamy sand
<u> </u>							
					!		
			+_				
	<u></u>						
Hydric Soil Ind	dicators:					<u> </u>	
☐ Histo	osol				Concretio		
	ic Epipedon					ganic Content in surface	
	idic Odor	- •				Streaking in Sandy Soils	
	ic Moisture R ucing Condition					n Local Hydric Soils List n National Hydric Soils I	
		Chroma Colors				xplain in Remarks)	2161
	Ju 01						
Remarks: No	hydric د	soil indica	itors.				
	-						
						···-	
WETLAND	DETERM	IINATION					
Hydrophytic V	egetation Pre	resent? Yes	□ No	lo 🛛			
Wetland Hydro	ology Present	at? Yes	□ No	lo 🛛			
Hydric Soils Pr	resent?	Yes	□ N	lo 🛛	Is this	s Sampling Point Within	n a Wetland? Yes 🗌 No 🛛
<u> </u>	· .				1 0	The Oak Die	' Tarant Tanany Area
Remarks: Dat is jurisdi	.a point v .ctional '	within chap under CDFG	arraı as Ad	benea, jacent	th co Ripa	oast Live Oak Rip Arian habitat.	parian Forest canopy. Area

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army			Date:	18 December 2001
Applicant/Owner:	Salvation Army			County:	San Diego
Investigator:				State:	California
Do normal circumst	ances exist on the site?	⊠ Yes	□ No	Community ID:	CLORF
Is the site significan	tly disturbed (Atypical Situation)?	☐ Yes	⊠ No	Transect ID:	
Is the area a potenti	☐ Yes	⊠ No	Plot ID:	DP 33A, PP 33A	
(If needed, expla					

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Platanus racemosa	T	FACW	9.		
2. Quercus agrifolia	T	NI	10.		
3. Artemisia douglasiana	Н	FACW	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 66%

Remarks: Data point is located just east of Transect 6. Hydrophytic vegetation criteria satisfied. Area qualifies as County RPO and CDFG wetland.

 ☐ Recorded Data (Described in Remarks): ☐ Stream, Lake, or Tide Gauge ☐ Aerial Photographs ☐ Other ☐ No Recorded Data Available 	Wetland Hydrology Indicators: Primary Indicators: Inundated Saturated in Upper 12 inches Water Marks Drift Lines
Field Observations: Depth of Surface Water: Depth to free Water in Pit Depth of Saturated Soil: (in.) (in.)	☐ Sediment Deposits ☐ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: Small depression in the topography	where water is able to pond.

Map Unit Name (Series and Phase): Visalia sandy loam Drainage Class: Moderately well drained Field Observations									
Field Observations									
Taxonomy (Subgroup): Pachic Haploxerolls Confirm Mapped Type? Yes No									
Des Cla Descriptions									
Profile Description: Denth Matrix Color Mottle Colors Mottle									
(inches) Horizon (Munsell Moist) (Munsell Moist) (Abundance/Contrast) Texture, Concretions, Structure, etc. 0-14 7.5YR 3/3 Loamy Sand									
0-14 7.5IK 3/3									
Hydric Soil Indicators:									
<u> </u>									
☐ Gleyed or Low-Chroma Colors ☐ Other (Explain in Remarks)									
XOMAINS: 11/ 02 2 0 0 2 2 2 1 1 1 2 2 2 2 2 2 2 2 2									
as County RPO, CDFG, and ACOE wetland.									
WETLAND DETERMINATION									
Hydrophytic vegetation Present? Yes 🔀 No 📋									
Westerd Hydrology Present? Vac M No D									
wenand riverology Present? 1 es 🖂 No 🗀									
Hydric Soile Present? Ves M No									
Tryunic Sons Freschi: 165 M 140 15 anis Samping Four Willia Welland: 165 M 140									
Remarks: Data point located approximately 10 feet east of Transect 6 at the 60-foot mark.									
Area of Southern Coast Live Oak Riparian Forest is jurisdictional under County RPO, CDFG									
and ACOE.									
Histic Epipedon									

(1987 COE Wetlands Delineation Manual)

Project/Site: Applicant/Owner: Investigator:	Salvation Army ner: Salvation Army Vanessa A. Lee and Kara A. Altvater			Date: County: State:	18 December 2001 San Diego California
		⊠ Yes □ Yes □ Yes	□ No ⊠ No ⊠ No	Community ID: Transect ID: Plot ID:	CLORF DP 34A, PP 34A

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Platanus racemosa	Т	FACW	9.		
2. Quercus agrifolia	T	NI	10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percentage of Dominant Species that are	OBL, FACV	V or FAC (exclu	ıding FAC-). 50%		
Remarks: Hydrophytic vegetati	on criter	ria not sat	isfied.		

Recorded Data (Described in Remarks):	Wetland Hydrology Indicators:
Stream, Lake, or Tide Gauge	Primary Indicators:
△ Aerial Photographs☐ Other	☐ Inundated☐ Saturated in Upper 12 inches
No Recorded Data Available	☐ Water Marks
No Recorded Data Available	☐ Drift Lines
Field Observations:	☐ Sediment Deposits
Depth of Surface Water: (in.)	☐ Drainage Patterns in Wetlands
Depth to free Water in Pit (in.)	Secondary Indicators (2 or more required):
Depth of Saturated Soil: (in.)	Oxidized Root Channels in Upper 12 Inches
	☐ Water-Stained Leaves
	☐ Local Soil Survey Data
	☐ FAC-Neutral Test
	Other (Explain in Remarks)
Remarks: No hydrology indicators.	

Map Unit Name (Series and Phase): Visalia sandy loam Drainage Class: Moderately well drained Field Observations									
Taxonomy (Subgroup):	. Pachic Haplo	xerolls			⊠ Yes □ No				
Profile Description:	<u></u>								
Depth	Matrix Cole	or Mo	ttle Colors	Mottle					
(inches) Horizo			nsell Moist)	(Abundance/Contrast)	Texture, Concretions, Structure, etc.				
0-14"					Sandy Loam				
<u> </u>				+					
☐ Aquic Moistu☐ Reducing Co	☐ Histic Epipedon ☐ High Organic Content in surface layer in Sandy Soils ☐ Sulfidic Odor ☐ Organic Streaking in Sandy Soils ☐ Aquic Moisture Regime ☐ Listed on Local Hydric Soils List ☐ Reducing Conditions ☐ Listed on National Hydric Soils List ☐ Gleyed or Low-Chroma Colors ☐ Other (Explain in Remarks) Remarks: No hydric soil indicators.								
	WETLAND DETERMINATION Hydrophytic Vegetation Present? Yes No								
Wetland Hydrology Pre	resent? Yes	☐ No							
Hydric Soils Present? Yes No 🛛 Is this Sampling Point Within a Wetland? Yes No 🖂									
Remarks: Data poing jurisdictional w	nt located ju under CDFG as	st outsion Adjacent	le of dep : Riparia	pression near Dat an habitat.	ta point 33A. Area is				

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army			Date:	19 December 2001
Applicant/Owner:	Salvation Army	County:	San Diego		
Investigator:	Vanessa A. Lee and Kara	State:	California		
Do normal circums	tances exist on the site?		□ No	Community ID:	CLORF
Is the site significar	ntly disturbed (Atypical Situation)?	☐ Yes	⊠ No	Transect ID:	T 7, 0 ft
Is the area a potenti	☐ Yes	⊠ No	Plot ID:	DP 35A, PP 35A	
(If needed, expla					

VEGETATION

1. Rhamnus ilicifolia S NI 9. 2. Lonicera subspicata V NI 10. 3. Bromus diandrus H NI 11. 4. 12. . 5. 13. . 6. 14. . 7. 15. . 8. 16. . Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%	Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
3. Bromus diandrus		S	NI	9.		
4.	. Lonicera subspicata	V	NI	10.		
13. 14. 15. 16. 16. Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%	. Bromus diandrus	H	NI	11.		
5. 14. 7. 15. 3. 16. Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%				12.		
5. 14. 7. 15. 8. 16. Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%				13.		
Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%				14.		
Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%		-		15.		
				16.		
Remarks: Hydrophytic vegetation criteria not satisfied.						

 ☐ Recorded Data (Described in Remarks): ☐ Stream, Lake, or Tide Gauge ☐ Aerial Photographs ☐ Other ☐ No Recorded Data Available 	Wetland Hydrology Indicators: Primary Indicators: Inundated Saturated in Upper 12 inches Water Marks Drift Lines
Field Observations: Depth of Surface Water: Depth to free Water in Pit Depth of Saturated Soil: (in.) (in.)	Sediment Deposits Drainage Patterns in Wetlands Secondary Indicators (2 or more required): Oxidized Root Channels in Upper 12 Inches Water-Stained Leaves Local Soil Survey Data FAC-Neutral Test Other (Explain in Remarks)
Remarks: No hydrology indicators.	

SOILS Map Unit Name Moderately well drained Drainage Class: (Series and Phase): Visalia sandy loam Field Observations Confirm Mapped Type? ☐ No Taxonomy (Subgroup): Pachic Haploxerolls ☑ Yes Profile Description: Matrix Color Mottle Colors Mottle Depth Texture, Concretions, Structure, etc. (Abundance/Contrast) (Munsell Moist) (Munsell Moist) (inches) Horizon Sandy loam 10YR 3/2 0-16" ------Hydric Soil Indicators: Concretions ☐ Histosol High Organic Content in surface layer in Sandy Soils Histic Epipedon Organic Streaking in Sandy Soils Sulfidic Odor Listed on Local Hydric Soils List Aquic Moisture Regime ☐ Listed on National Hydric Soils List ☐ Reducing Conditions ☐ Other (Explain in Remarks) ☐ Gleyed or Low-Chroma Colors No hydric soil indicators. Remarks: WETLAND DETERMINATION \boxtimes Hydrophytic Vegetation Present? No No \boxtimes Wetland Hydrology Present? Yes

 \boxtimes

No

Remarks: Data point located in Southern Coast Live Oak Riparian Forest.

Yes

jurisdictional under CDFG as Adjacent Riparian habitat.

Hydric Soils Present?

Is this Sampling Point Within a Wetland?

□ No

Yes

Area is

 \boxtimes

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army	Date: County: State:	19 December 2001		
Applicant/Owner:	Salvation Army		San Diego		
Investigator:	Vanessa A. Lee and Kara		California		
		⊠ Yes ⊠ Yes □ Yes	□ No □ No ⊠ No	Community ID: Transect ID: Plot ID:	CLORF T 7, 10 ft DP 36A, PP 36A

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Quercus agrifolia	Т	NI	9.		
2. Rhamnus ilicifolia	S	NI	10.		
3. Amsinckia intermedia	Н	NI	11.		
4. Raphanus sativus	H	NI	12.		
5. Bromus diandrus	H	NI	13.		
6.			14.		
7.			15.		
8.			16.		
Percentage of Dominant Species that a Remarks: No hydrophytic vege			uding FAC-). 0%		

 ☐ Recorded Data (Described in Remarks): ☐ Stream, Lake, or Tide Gauge ☐ Aerial Photographs ☐ Other ☐ No Recorded Data Available 	Wetland Hydrology Indicators: Primary Indicators: Inundated Saturated in Upper 12 inches Water Marks Drift Lines
Field Observations: Depth of Surface Water: Depth to free Water in Pit Depth of Saturated Soil: (in.) (in.)	☐ Sediment Deposits ☐ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: Hydrology is indicated by the prese approximate ordinary high water mark). St bank).	ence of 6'-wide drainage (measured at reambed width is 14 feet (measured from bank to

Map Unit Name (Series and Phase)): Visalia	sandy loa	m	Drainag	e Class: Moderatel	y well drained		
	•	_		Field Ol	oservations			
Taxonomy (Subgr	oup): Pachi	c Haploxe	rolls	Confirm	n Mapped Type?	Yes No		
Profile Description Depth (inches)	N	Matrix Color Iunsell Moist)		ttle Colors	Mottle (Abundance/Contrast)	Texture, Concretions, Structure, etc.		
0			(11101			Cobble		
			+					
Hydric Soil Indica								
☐ Histosol ☐ Concretions ☐ Histic Epipedon ☐ High Organic Content in surface layer in Sandy Soils ☐ Sulfidic Odor ☐ Organic Streaking in Sandy Soils ☐ Aquic Moisture Regime ☐ Listed on Local Hydric Soils List ☐ Reducing Conditions ☐ Listed on National Hydric Soils List ☐ Gleyed or Low-Chroma Colors ☐ Other (Explain in Remarks)								
Remarks: Could not dig due to high cobble content. Non-soil width within drainage is 6 feet. It is possible that sediment deposits between cobble satisfy hydric conditions; however, this cannot be determined. In this case, soils are considered to be a natural atypical situation, and the presence of hydric soils is assumed.								
WETLAND DETERMINATION								
Hydrophytic Veg	etation Present	? Yes] No					
Wetland Hydrolo	gy Present?	Yes	No					
Hydric Soils Pres	ent?	Yes	☑ No	☐ Is thi	s Sampling Point Within a	Wetland? Yes No		
wetland. Ho	owever, the	e area is considere	juriso d to be	dictional e Non-wet	. under CDFG as Adj	es not qualify as an ACOE jacent Riparian habitat. e U.S. (ACOE) and is also		

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army			Date:	19 December 2001
Applicant/Owner:	Salvation Army		*	County:	San Diego
Investigator:	Vanessa A. Lee and Kara	State:	California		
Do normal circums	tances exist on the site?	⊠ Yes	 □ No	Community ID:	CLORF
	ntly disturbed (Atypical Situation)?	☐ Yes	_ ⊠ No	Transect ID:	T 7, 20 ft
Is the area a potenti	☐ Yes	⊠ No	Plot ID:	DP 37A, PP 37A	
(If needed, expla					

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Quercus agrifolia	Т	NI	9.		
2. Eriognum fasciculatum	S	NI	10.		
3.			11.		
4.			12.		
<u>4.</u> 5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percentage of Dominant Species that are	OBL, FACV	or FAC (excl	uding FAC-). 0%		
Remarks: Hydrophytic vegetat:	on criter	ria not sat	isfied.		
itematic. If all oping of a constraint					

 ☐ Recorded Data (Described in Remarks): ☐ Stream, Lake, or Tide Gauge ☐ Aerial Photographs ☐ Other ☐ No Recorded Data Available 	Wetland Hydrology Indicators: Primary Indicators: Inundated Saturated in Upper 12 inches Water Marks Drift Lines
Field Observations: Depth of Surface Water: Depth to free Water in Pit Depth of Saturated Soil: (in.) (in.)	☐ Sediment Deposits ☐ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: No hydrology indicators. Data Poin	t lies just outside of bank.

SOILS Map Unit Name Moderately well drained Drainage Class: (Series and Phase): Visalia sandy loam Field Observations Confirm Mapped Type? ✓ Yes ☐ No Taxonomy (Subgroup): Pachic Haploxerolls Profile Description: Matrix Color Mottle Colors Mottle Depth Texture, Concretions, Structure, etc. (Munsell Moist) (Abundance/Contrast) (Munsell Moist) (inches) Horizon 10YR 3/2 Sandy loam 0-14" - - - ---Hydric Soil Indicators:

Concretions

High Organic Content in surface layer in Sandy Soils

Is this Sampling Point Within a Wetland?

Organic Streaking in Sandy Soils

Listed on Local Hydric Soils List

☐ Listed on National Hydric Soils List

☐ Other (Explain in Remarks)

WETLAND DETERMINAT	ION				 		
Hydrophytic Vegetation Present?	Yes		No			·	
Wetland Hydrology Present?	Yes	П	No	Ø			

No

☐ Histosol

Remarks:

Histic Epipedon

Aquic Moisture Regime ☐ Reducing Conditions

☐ Gleyed or Low-Chroma Colors

No hydric soil indicators.

Yes

Sulfidic Odor

Wetland Hydrology Present?

Hydric Soils Present?

Remarks: Data point located in Southern Coast Live Oak Riparian Forest. jurisdictional under CDFG as Adjacent Riparian habitat.

No

 \boxtimes

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army	Date: County: State:	19 December 2001		
Applicant/Owner:	Salvation Army		San Diego		
Investigator:	Vanessa A. Lee and Kara		California		
		⊠ Yes □ Yes □ Yes	□ No ⊠ No ⊠ No	Community ID: Transect ID: Plot ID:	CLORF T 8 ,0 ft DP 38A, PP 38A

VEGETATION

	Indicator	Dominant Plant Species	Stratum	Indicator				
T	NI	9.						
T	FACW	10.						
Н	FACU	11.						
		12.						
		13.						
		14.						
		15.						
		16.						
8. Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 33% Remarks: Hydrophytic vegetation criteria not satisfied.								
	H H e OBL, FACW	T FACW H FACU THE OBL, FACW or FAC (exclusive or FAC)	T FACW 10. H FACU 11. 12. 13. 14. 15. 16. e OBL, FACW or FAC (excluding FAC-). 33%	T FACW 10. H FACU 11. 12. 13. 14. 15. 16. e OBL, FACW or FAC (excluding FAC-). 33%				

 □ Recorded Data (Described in Remarks): □ Stream, Lake, or Tide Gauge □ Aerial Photographs □ Other □ No Recorded Data Available 	Wetland Hydrology Indicators: Primary Indicators: Inundated Saturated in Upper 12 inches Water Marks
Field Observations: Depth of Surface Water: Depth to free Water in Pit Depth of Saturated Soil: (in.)	☐ Drift Lines ☐ Sediment Deposits ☐ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: No hydrology indicators.	

SOILS								
Map Unit Name				Dunime	Cl Mademate	· Amain	- J	
(Series and Phase	e): Visali	ia sandy loa	.m		nge Class: <u>Moderatel</u> Observations	ly well draine	<u>ad</u>	
Taxonomy (Sub	group): Pa	chic Haploxe	rolls			Yes □ No		
Profile Description	ion:	5.5 : 1. Q.1	Mar	1 C-1 _{cm}	N 1 0461 0			
Depth (inches)	Horizon	Matrix Color (Munsell Moist)		tle Colors sell Moist)	Mottle (Abundance/Contrast)	Texture. Concre	etions, Structure, etc.	
(inches) 0-16"	Horizon	10YR 3/2) (1410111				dy loam	
-		 						
l								
								
Hydric Soil Indi	icators:							
Hydric Soil Indicators: Histosol Histic Epipedon Sulfidic Odor Sulfidic Odor Aquic Moisture Regime Reducing Conditions Gleyed or Low-Chroma Colors Remarks: No hydric soil indicators. Concretions High Organic Content in surface layer in Sandy Soils Organic Streaking in Sandy Soils Listed on Local Hydric Soils List Listed on National Hydric Soils List Other (Explain in Remarks) Remarks: No hydric soil indicators.								
WETLAND DETERMINATION								
Hydrophytic Ve	egetation Pre	resent? Yes [☐ No	\boxtimes				
Wetland Hydrol	logy Presen	nt? Yes [□ No	\boxtimes				
Hydric Soils Pre		Yes [☐ No		this Sampling Point Within a		□ No ⊠	
Remarks: Data	Remarks: Data point located in Southern Coast Live Oak Riparian Forest, adjacent to main							

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army	Date: County: State:	19 December 2001		
Applicant/Owner:	Salvation Army		San Diego		
Investigator:	Vanessa A. Lee and Kara		California		
		⊠ Yes ⊠ Yes □ Yes	□ No □ No ⊠ No	Community ID: Transect ID: Plot ID:	CLORF T 8, 10 ft DP 39A, PP 39A

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator			
1. Quercus agrifolia	T	NI	9.					
2. Platanus racemosa	T	FACW	10.					
3. Bromus diandrus	H	NI	11.					
4. Pennisetum setaceum	H	NI	12.					
5. Lolium temulentum	H	NI	13.					
6.			14.					
7.			15.					
8.			16.		<u> </u>			
Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 20% Remarks: Hydrophytic vegetation criteria not satisfied.								

 □ Recorded Data (Described in Remarks): □ Stream, Lake, or Tide Gauge □ Aerial Photographs □ Other □ No Recorded Data Available 	Wetland Hydrology Indicators: Primary Indicators: Inundated Saturated in Upper 12 inches Water Marks Drift Lines
Field Observations: Depth of Surface Water: Depth to free Water in Pit Depth of Saturated Soil: (in.) (in.)	☐ Sediment Deposits ☐ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: Hydrology is indicated by 5'-wide of water mark). Streambed width is 10 feet (drainage (measured at approximate ordinary high measured from bank to bank).

SOILS			-				
	se): Visalia	sandy loam	Field O	bservations	y well drained Yes □ No		
Taxonomy (Su	ogroup). Pacii	ic napioxer	OIIS COMMI	i wiapped Type.	100 110		
Profile Descrip				N.E. (cl.)			
Depth		Matrix Color Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle (Abundance/Contrast)	Texture, Concretions, Structure, etc.		
(inches)	Horizon ((Munsen Moist)	(Abundance/Contrast)	Cobble		
Hydric Soil Indicators: Histosol Histic Epipedon Sulfidic Odor Sulfidic Odor Aquic Moisture Regime Histed on Local Hydric Soils List Gleyed or Low-Chroma Colors Remarks: Could not dig due to high cobble content. Non-soil width within drainage is 5 feet. It is possible that sediment deposits between cobble satisfy hydric conditions; however, this cannot be determined. In this case, soils are considered to be a natural atypical situation, and the presence of hydric soils is assumed.							
WETLAND DETERMINATION							
Hydrophytic V	egetation Prese	nt? Yes 🗌	No 🛛				
	ology Present?	Yes 🛚	No 🗆				
Hydric Soils P	resent?	Yes 🛛	No 🔲 Is th	is Sampling Point Within a	Wetland? Yes \square No \boxtimes		

Remarks: This area of Southern Coast Live Oak Riparian Forest does not qualify as an ACOE wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat. The drainage is also considered to be Non-wetland Waters of the U.S. (ACOE) and is also jurisdictional under the County and CDFG.

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army	Date:	19 December 2001		
Applicant/Owner:	Salvation Army	County:	San Diego		
Investigator:					California
Do normal circumst	tances exist on the site?		□ No	Community ID:	CLORF
Is the site significar	tly disturbed (Atypical Situation)?	☐ Yes	⊠ No	Transect ID:	T 8,20 ft
Is the area a potenti		☐ Yes	⊠ No	Plot ID:	DP 40A, PP 40A
(If needed, expla	in on reverse.)				

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Quercus agrifolia	T	NI	9.		
2. Platanus racemosa	Т	FACW	10.		
3. Bromus diandrus	H	NI	11.		
4. Rhamnus ilicifolia	S	NI	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percentage of Dominant Species that are	OBL, FACV	V or FAC (exclu	iding FAC-). 25%		
Remarks: Hydrophytic vegetati	on crite	ia not sat	isfied.		

Wetland Hydrology Indicators:		
Primary Indicators:		
☐ Inundated		
☐ Saturated in Upper 12 inches		
☐ Water Marks		
☐ Drift Lines		
☐ Sediment Deposits		
☐ Drainage Patterns in Wetlands		
Secondary Indicators (2 or more required):		
☐ Oxidized Root Channels in Upper 12 Inches		
☐ Water-Stained Leaves		
☐ Local Soil Survey Data		
☐ FAC-Neutral Test		
Other (Explain in Remarks)		

SOILS								
Map Unit Name	\	1 7		Dusinas	- Class. Madamatal	1 drained		
(Series and Phase): Visalia sandy loam Drainage Class: <u>Moderately well drained</u> Field Observations								
Taxonomy (Subgr	roup): Pachic	Haploxe	rolls			Yes 🗌 No		
Profile Description Depth		atrix Color	Mo	ttle Colors	Mottle			
(inches)	Horizon (Mu	ınsell Moist)	(Mur	nsell Moist)	(Abundance/Contrast)	Texture, Concretions, Structure, etc.		
0-14"	10	OYR 3/2				Sandy loam		
			+					
Hydric Soil Indic	pators:							
Histoso			Γ	Concretic				
	Epipedon		[ganic Content in surface lay	yer in Sandy Soils		
☐ Sulfidio	ic Odor Moisture Regime	<u>α</u>	L [Streaking in Sandy Soils Local Hydric Soils List			
	ing Conditions	j.	Ī	Listed on	n National Hydric Soils Lis	ıt .		
	i or Low-Chroma	1 Colors	ſ	☐ Other (E:	xplain in Remarks)			
Daniela No	Parallel a god	1 indian						
Remarks: No	hydric soil	LIMULCA	OLD.					
1								
WETLAND D)ETERMINA	TION _						
Hydrophytic Veg	getation Present?	Yes	No					
Wetland Hydrolo	ogy Present?	Yes [] No					
Hydric Soils Pres	sent?	Yes [] No	⊠ Is thi	is Sampling Point Within a	Wetland? Yes \square No \boxtimes		

Remarks: Data point is within Southern Coast Live Oak Riparian Forest. jurisdictional under CDFG as Adjacent Riparian habitat.

This area is

(1987 COE Wetlands Delineation Manual)

Project/Site: Applicant/Owner: Investigator:	Salvation Army Salvation Army Vanessa A. Lee and Kara	Date: County: State:	19 December 2001 San Diego California		
Do normal circumst	tances exist on the site?	⊠ Yes	□ No	Community ID:	CLORF
Is the site significar	ntly disturbed (Atypical Situation)?	☐ Yes	🛛 No	Transect ID:	T 8,26 ft*
Is the area a potenti		☐ Yes	☑ No	Plot ID:	DP 41A, PP 41A
(If needed, expla					

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
L. Quercus agrifolia	T	NI	9.		
. Platanus racemosa	Т	FACW	10.		
3. Bromus diandrus	H	NI	11.		
l. Rhamnus ilicifolia	S	NI	12.		
. Toxicodendron diversilobum	S	NI	13.		
5.			14.		
7.			15.		
3.			16.		
Percentage of Dominant Species that ar Remarks: Hydrophytic vegetat					

 ☐ Recorded Data (Described in Remarks): ☐ Stream, Lake, or Tide Gauge ☐ Aerial Photographs ☐ Other ☐ No Recorded Data Available 	Wetland Hydrology Indicators: Primary Indicators: Inundated Saturated in Upper 12 inches Water Marks Drift Lines
Field Observations:	Sediment Deposits
Depth of Surface Water: (in.)	Drainage Patterns in Wetlands Secondary Indicators (2 or more required):
Depth to free Water in Pit (in.)	· · · · · · · · · · · · · · · · · · ·
Depth of Saturated Soil: (in.)	Oxidized Root Channels in Upper 12 Inches
	Water-Stained Leaves
	Local Soil Survey Data
	☐ FAC-Neutral Test
<u></u>	☐ Other (Explain in Remarks)
Remarks: No hydrology indicators.	
1	

Map Unit Name					
(Series and Phase): Vis	salia sandy ?	loam			ely well drained
·	_			Field Observations	
Taxonomy (Subgroup):	Pachic Haplo	xeroll	s C	Confirm Mapped Type?	☑ Yes ☐ No
					Ŋ
Profile Description:	Matrix Co		Mottle Co	olors Mottle	· · · · · · · · · · · · · · · · · · ·
Depth	Matrix Col		Mottle Co. Munsell M) Texture, Concretions, Structure, etc.
(inches) Horizo		· · / · · · \	Munsell M	(Abundance/Contrast)	Sandy loam
0-14"	TOIK J	2			Dana,
TY 1'- Call Indicators					
Hydric Soil Indicators:			□ Co	oncretions	
Histosol Histic Epiped	1			igh Organic Content in surface	laver in Sandy Soils
☐ Histic Epiped				rganic Streaking in Sandy Soils	
☐ Sulfidic Odor ☐ Aquic Moistu				isted on Local Hydric Soils List	
☐ Aquic Moistu ☐ Reducing Cor				isted on Local Hydric Soils List isted on National Hydric Soils I	
	ow-Chroma Colors	•		ther (Explain in Remarks)	3131
Li Oloyou o	W-CIIIOIIIu Co		-	Illi (Dispium ,	
Remarks: No hydr	ric soil indi	cators			
Kemarks. 2.5	10 50	Cass	•		1
i					!
1					
<u> </u>					
<u> </u>					
WETLAND DETE					
Hydrophytic Vegetation	n Present? Yes		No 🛛		_
			, <u>, , , , , , , , , , , , , , , , , , </u>		
Wetland Hydrology Pre	esent? Yes		No 🛛	1	
			·		- - - - - -
Hydric Soils Present?	Yes		No 🛛	Is this Sampling Point Within	n a Wetland? Yes 🔲 No 🛛
			'		
Remarks: Data poir	nt is within	Coast	Live O	Oak Riparian Forest.	Area is jurisdictional under
CDFG as Adjacent	. Riparian na	ıbitat.	No we	etland vegetation or	drainages beyond this Data
point along tran	isect.				
11					

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army	Date:	19 December 2001		
Applicant/Owner:	Salvation Army	County:	San Diego		
Investigator:	Vanessa A. Lee and Kara	A. Altvat	er	State:	California
Do normal circumst	tances exist on the site?	⊠ Yes	□ No	Community ID:	CLORF
Is the site significar	ntly disturbed (Atypical Situation)?	☐ Yes	⊠ No	Transect ID:	T9, 0 ft
Is the area a potenti		☐ Yes	⊠ No	Plot ID:	DP 42A, PP 42A
(If needed, expla	in on reverse.)				

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Quercus agrifolia	Т	NI	9.		
2. Salix lucida ssp. lasiandra	Т	OBL	10.		
3. Bromus diandrus	H	NI	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percentage of Dominant Species that are	e OBL, FACW	or FAC (excl	uding FAC-). 33%		
Remarks: Hydrophytic vegetat:	on criter	ia not sa	isfied.		

 ☐ Recorded Data (Described in Remarks): ☐ Stream, Lake, or Tide Gauge ☐ Aerial Photographs ☐ Other ☐ No Recorded Data Available 	Wetland Hydrology Indicators: Primary Indicators: Inundated Saturated in Upper 12 inches Water Marks Drift Lines
Field Observations: Depth of Surface Water: Depth to free Water in Pit Depth of Saturated Soil: (in.) (in.)	☐ Sediment Deposits ☐ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: No hydrology indicators.	

SOILS					<u> </u>			
Map Unit Name			. ·		11 1			
(Series and Pha	se): Visal	ia sandy loam	Drainage		y well drained			
T. (C.1	\- T -	ahda Hamlassa		servations	Yes □ No			
Taxonomy (Subgroup): Pachic Haploxerolls Confirm Mapped Type? 🛛 Yes 🔲 No								
Profile Descript	tion:							
Depth	<u> </u>	Matrix Color	Mottle Colors	Mottle				
(inches)	Horizon	(Munsell Moist)	(Munsell Moist)	(Abundance/Contrast)	Texture, Concretions, Structure, etc.			
0-14		7.5YR 3/2			Sandy Loam			
	<u> </u>							
Hydric Soil Inc			☐ Concretion	me	i			
	c Epipedon			anic Content in surface la	ver in Sandy Soils			
	dic Odor			Streaking in Sandy Soils	, or an emily come			
	c Moisture F	Regime		Local Hydric Soils List				
	cing Condit			isted on National Hydric Soils List				
		Chroma Colors	☐ Other (Ex	(plain in Remarks)				
Remarks: N	Remarks: No hydric soil indicators.							
<u> </u>								
		~~~						
XX/ETT A NID	コンド・ロ・レ・ロング							

#### WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes		No	$\boxtimes$				
Wetland Hydrology Present?	Yes		No	$\boxtimes$				
Hydric Soils Present?	Yes		No	$\boxtimes$	Is this Sampling Point Within a Wetland?	Yes	No	$\boxtimes$
Remarks: Data point located in Southern Coast Live Oak Riparian Forest. Area is jurisdictional under CDFG as Adjacent Riparian habitat.								

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army	Date:	19 December 2001		
Applicant/Owner:	Salvation Army	County:	San Diego		
Investigator:	Vanessa A. Lee and Kara	State:	California		
Do normal circums	tances exist on the site?		□ No	Community ID:	CLORF
Is the site significar	ntly disturbed (Atypical Situation)?	☐ Yes	⊠ No	Transect ID:	T9, 10 ft
Is the area a potenti	al Problem Area?	☐ Yes	⊠ No	Plot ID:	DP 43A, PP 43A
(If needed, expla	in on reverse.)				

### **VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Quercus agrifolia	T	NI	9.		
2. Salix lucida ssp. lasiandra	T	OBL	10.		
3. Bromus diandrus	H	NI	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percentage of Dominant Species that are Remarks: Hydrophytic vegetat:					fe count of a second federal

<ul> <li>☐ Recorded Data (Described in Remarks):</li> <li>☐ Stream, Lake, or Tide Gauge</li> <li>☐ Aerial Photographs</li> <li>☐ Other</li> <li>☐ No Recorded Data Available</li> </ul>	Wetland Hydrology Indicators:  Primary Indicators:  Inundated  Saturated in Upper 12 inches  Water Marks  Drift Lines
Field Observations:  Depth of Surface Water:  Depth to free Water in Pit  Depth of Saturated Soil:  (in.)	☐ Sediment Deposits ☐ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: No hydrology indicators. Data poir	nt located at edge of bank.

### **SOILS** Map Unit Name (Series and Phase): Visalia sandy loam Drainage Class: Moderately well drained Field Observations Taxonomy (Subgroup): Pachic Haploxerolls Confirm Mapped Type? □ No Profile Description: Mottle Matrix Color Mottle Colors Depth Texture, Concretions, Structure, etc. (Munsell Moist) (Munsell Moist) (Abundance/Contrast) (inches) Horizon Sandy Loam 7.5YR 2.5/2 0-10 ---Sandy Loam 10YR 4/2 10-14 _ _ _ Hydric Soil Indicators: Concretions ☐ Histosol High Organic Content in surface layer in Sandy Soils Histic Epipedon Organic Streaking in Sandy Soils Sulfidic Odor Listed on Local Hydric Soils List Aquic Moisture Regime ☐ Listed on National Hydric Soils List ☐ Reducing Conditions ☐ Gleyed or Low-Chroma Colors ☐ Other (Explain in Remarks) No hydric soil indicators. Remarks:

# WETLAND DETERMINATION Hydrophytic Vegetation Present? Yes □ No ☒ Wetland Hydrology Present? Yes □ No ☒ Is this Sampling Point Within a Wetland? Yes □ No ☒ Hydric Soils Present? Yes □ No ☒ Is this Sampling Point Within a Wetland? Yes □ No ☒ Remarks: Data point located beneath Southern Coast Live Oak Riparian Forest canopy. Area is jurisdictional under CDFG as Adjacent Riparian habitat.

(1987 COE Wetlands Delineation Manual)

Project/Site: Applicant/Owner: Investigator:	Salvation Army Salvation Army Vanessa A. Lee and Kara	Date: County: State:	19 December 2001 San Diego California	
Do normal circums Is the site significar Is the area a potenti (If needed, expla	⊠ Yes	□ No	Community ID:	CLORF
	⊠ Yes	□ No	Transect ID:	T9, 20 ft
	□ Yes	⊠ No	Plot ID:	DP 44A, PP 44A

# **VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Quercus agrifolia	T	NI	9.		
2. Salix lucida ssp. lasiandra	T	OBL	10.		
3. Bromus diandrus	Н	NI	11.		
4. Picris echioides	H	FAC	12.		
5.			13.		
6.			14.		¨
7.			15.		
8.			16.		
Percentage of Dominant Species that are	OBL, FACW	or FAC (exclu	ıding FAC-). 50%		

Remarks: Hydrophytic vegetation criteria not satisfied. Data point located under canopy of Southern Coast Live Oak Riparian Forest.

<ul> <li>☐ Recorded Data (Described in Remarks):</li> <li>☐ Stream, Lake, or Tide Gauge</li> <li>☐ Aerial Photographs</li> <li>☐ Other</li> <li>☐ No Recorded Data Available</li> </ul>	Wetland Hydrology Indicators:  Primary Indicators:  Inundated  Saturated in Upper 12 inches  Water Marks
Field Observations:  Depth of Surface Water:  Depth to free Water in Pit  Depth of Saturated Soil:  (in.)  (in.)	☐ Drift Lines ☐ Sediment Deposits ☐ Drainage Patterns in Wetlands  Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: Streambed spans a width of 9 feet f foot wide drainage (measured at approximat	rom bank to bank. Hydrology indicated by 6- e ordinary high water mark).

# SOILS

Map Unit Name	e			-				
(Series and Pha		ia sandy	loam			Orainage		ly well drained
10.1		·		- <b>-</b>			oservations	v = 535
Taxonomy (Sub	ogroup): Pac	chic Hap!	oxerc	lls		ontirm	Mapped Type?	Yes No
Destile Descrip	tion.							,
Profile Descript Depth	non:	Matrix C	'alar	Me	ottle Co	olors	Mottle	,
(inches)	Horizon	(Munsell N			nsell M		(Abundance/Contrast)	Texture, Concretions, Structure, etc.
0				<u> </u>				Cobble
	<del> </del>							
	-	<u> </u>		<del>                                     </del>				
				Г				
YY 1 : Coll Inc	1							
Hydric Soil Ind ☐ Histo				Г	□ с	oncretio	ane.	•
	osoi ic Epipedon			ī			ganic Content in surface la	ever in Sandy Soils
	idic Odor			Г			Streaking in Sandy Soils	, , , , , , , , , , , , , , , , , , , ,
☐ Aqui	ic Moisture R			. [	☐ Lis	isted on	Local Hydric Soils List	'
☐ Redu	ucing Condition	ions		_			National Hydric Soils Lis	st
☐ Gley	yed or Low-Cl	hroma Colo	rs .	l	☐ Ot	ther (Ex	xplain in Remarks)	
<u> </u>			<del></del>	<del></del>	- 1.7.		212 351 4564	n drainage is 6 feet. It
Remarks: C	ould not	dig test	pit	in co	2 pp. Te	an do	bble width within	n drainage is 6 feet. It ic conditions; however,
this canno	ot be dete	ermined.	In t	this o	case,	, soil	ls are considered	to be a natural atypical
situation,	and the	presence	of r	ıydri	c so:	ils i	s assumed.	<del>-</del> -
WETLAND	MCTTTT	TATA TIOP	<b>⊾</b> T					
					<u> </u>	<del></del>		
Hydrophytic V	egetation Pre	esent? Yes	. Ц	No	$\boxtimes$			
	1 Deggan	19 Va		No	гд ^ј			
Wetland Hydro	ology Presem	t? Yes		INO	LJ I			
Hydric Soils Pr	recent?	Yes	s 🏻	No	$\Box$	Is this	s Sampling Point Within a	a Wetland? Yes 🗌 No 🛛
llyuno some -	tosciii.		<u>K</u>	1.0	ر <b>ت</b>	100		
Remarks: Thi	is area o	f Southe	rn Co	ast L	ive '	Oak R	iparian Forest do	oes not qualify as an ACOE
wetland.	However.	the area	a is i	iuriso	dicti	ional	. under CDFG as Ad	ljacent Riparian habitat.
The draina	ge is als	30 consider	lerea	to be	e Nor	n-wet.	land Waters of the	ne U.S. (ACOE) and is also
Jurisaicui	jurisdictional under the County and CDFG.							

(1987 COE Wetlands Delineation Manual)

Project/Site: Applicant/Owner: Investigator:	Salvation Army Salvation Army Vanessa A. Lee and Kara	Date: County: State:	19 December 2001 San Diego California		
		⊠ Yes □ Yes □ Yes	□ No ⊠ No ⊠ No	Community ID: Transect ID: Plot ID:	CLORF T9, 30 ft DP 45A, PP 45A

# VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator		
1. Quercus agrifolia	T	NI	9.				
2. Platanus racemosa	T	FACW	10.				
3. Bromus diandrus	H	NI	11.				
4. Picris echioides	Н	FAC	12.				
5. Rhamnus ilicifolia	S	NI	13.		,		
6.			14.				
7.			15.				
			16.				
Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 40%  Remarks: Hydrophytic vegetation criteria not satisfied.							

<ul> <li>□ Recorded Data (Described in Remarks):</li> <li>□ Stream, Lake, or Tide Gauge</li> <li>□ Aerial Photographs</li> <li>□ Other</li> <li>□ No Recorded Data Available</li> </ul>	Wetland Hydrology Indicators:  Primary Indicators:  Inundated  Saturated in Upper 12 inches  Water Marks  Drift Lines
Field Observations:  Depth of Surface Water:  Depth to free Water in Pit  Depth of Saturated Soil:  (in.)  (in.)	☐ Sediment Deposits ☐ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: No hydrology indicators.	

SOILS			· · · · · · · · · · · · · · · · · · ·					
Map Unit Name			Drainage	Class: Madamatal	v well drained			
(Series and Phase): Visalia sandy loam Drainage Class: Moderately well drained Field Observations								
Taxonomy (Subgroup): Pachic Haploxerolls								
Taxonomy (Suc	ogroup). Pa	Circ naproxer	ZIIB COMMI	таррес Туре.				
Profile Descript	tion:							
Depth	<del></del>	Matrix Color	Mottle Colors	Mottle				
(inches)	Horizon	(Munsell Moist)	(Munsell Moist)	(Abundance/Contrast)	Texture, Concretions, Structure, etc.			
0-14		7.5YR 3/2			Sandy Loam			
Hydric Soil Ind	licators:		<u> </u>					
☐ Histo			☐ Concretion					
☐ Histi	c Epipedon			anic Content in surface lay	er in Sandy Soils			
1	dic Odor			Streaking in Sandy Soils				
	c Moisture F			Local Hydric Soils List				
	cing Condit			National Hydric Soils Lis oplain in Remarks)	ļ			
Li Gley	ea or Low-C	Chroma Colors	U Omer (E)	cpiam in Kemarks)				
Remarks: N	Remarks: No hydric soil indicators.							
Kemarks. W	Remarks: No mydric soir indicacors.							
	<u>.</u>							
-								
WETLAND	DETERM	IINATION						
Hydrophytic V	egetation Pr	esent? Yes	No 🛛					

Hydrophytic Vegetation Present?	Yes		No	$\boxtimes$			
Wetland Hydrology Present?	Yes		No	$\boxtimes$			
Hydric Soils Present?	Yes		No		Is this Sampling Point Within a Wetland? Yes 🔲 No 🛚		
Remarks: Data point located within Southern Coast Live Oak Riparian Forest. Area is jurisdictional under CDFG as Adjacent Riparian habitat.							

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army	Date: County: State:	19 December 2001	
Applicant/Owner:	Salvation Army		San Diego	
Investigator:	Vanessa A. Lee and Kara		California	
Do normal circums Is the site significan Is the area a potenti (If needed, expla	⊠ Yes	□ No	Community ID:	CLORF
	□ Yes	⊠ No	Transect ID:	T9, 40 ft
	□ Yes	⊠ No	Plot ID:	DP 46A, PP 46A

# **VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator		
. Quercus agrifolia	T	NI	9.				
2. Platanus racemosa	T	FACW	10.				
B. Bromus diandrus	Н	NI	11.				
l. Picris echioides	Н	FAC	12.				
5. Rhamnus ilicifolia	S	NI	13.				
5.			14.				
7.			15.				
3.			16.				
Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 40%							
Remarks: Hydrophytic vegetation criteria not satisfied.							
· · · · · ·							

<ul> <li>□ Recorded Data (Described in Remarks):</li> <li>□ Stream, Lake, or Tide Gauge</li> <li>□ Aerial Photographs</li> <li>□ Other</li> <li>□ No Recorded Data Available</li> </ul>	Wetland Hydrology Indicators:  Primary Indicators:  Inundated  Saturated in Upper 12 inches  Water Marks  Drift Lines
Field Observations:  Depth of Surface Water:  Depth to free Water in Pit  Depth of Saturated Soil:  (in.)	☐ Sediment Deposits ☐ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: No hydrology indicators.	

### **SOILS** Map Unit Name Moderately well drained (Series and Phase): Visalia sandy loam Drainage Class: Field Observations ☐ No Confirm Mapped Type? ✓ Yes Taxonomy (Subgroup): Pachic Haploxerolls Profile Description: Matrix Color Mottle Colors Mottle Depth Texture, Concretions, Structure, etc. (Munsell Moist) (Abundance/Contrast) (Munsell Moist) (inches) Horizon Sandy Loam 7.5YR 3/2 ---0-14" Hydric Soil Indicators: ☐ Concretions ☐ Histosol ☐ High Organic Content in surface layer in Sandy Soils ☐ Histic Epipedon

Organic Streaking in Sandy Soils

☐ Listed on National Hydric Soils List

☐ Listed on Local Hydric Soils List

☐ Other (Explain in Remarks)

## WETLAND DETERMINATION

Sulfidic Odor

Remarks:

☐ Aquic Moisture Regime☐ Reducing Conditions

☐ Gleyed or Low-Chroma Colors

No hydric soil indicators.

Hydrophytic Vegetation Present?	Yes		No	$\boxtimes$				
Wetland Hydrology Present?	Yes		No	$\boxtimes$				
Hydric Soils Present?	Yes		No	$\boxtimes$	Is this Sampling Point Within a Wetland? Yes \(\sum \text{No}\) No \(\sum \text{No}\)			
Remarks: Data point located within Southern Coast Live Oak Riparian Forest. Area is jurisdictional under CDFG as Adjacent Riparian habitat.								

(1987 COE Wetlands Delineation Manual)

Project/Site: Applicant/Owner:	Salvation Army Salvation Army			Date: County:	19 December 2001 San Diego
Investigator:	Vanessa A. Lee and Kara	State:	California		
Do normal circums	tances exist on the site?	⊠ Yes	□ No	Community ID:	CLORF
Is the site significar	☐ Yes	⊠ No	Transect ID:	T9, 50 ft	
Is the area a potenti	☐ Yes	⊠ No	Plot ID:	DP 47A, PP 47A	
(If needed, expla	in on reverse.)				

# **VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator			
1. Quercus agrifolia	Т	NI	9.					
2. Rhamnus ilicifolia	S	NI	10.					
3.			11.					
4.			12.					
5.			13.					
6.			14.					
7.			15.					
8.			16.					
Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%								
Remarks: No hydrophytic vegetation present.								
	_							
1								

<ul> <li>□ Recorded Data (Described in Remarks):</li> <li>□ Stream, Lake, or Tide Gauge</li> <li>□ Aerial Photographs</li> <li>□ Other</li> <li>□ No Recorded Data Available</li> </ul>	Wetland Hydrology Indicators:  Primary Indicators:  Inundated  Saturated in Upper 12 inches  Water Marks  Drift Lines
Field Observations:  Depth of Surface Water:  Depth to free Water in Pit  Depth of Saturated Soil:  (in.)	☐ Sediment Deposits ☐ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: No hydrology indicators.	

# SOILS

									$\overline{}$
Map Unit Name	;	_							J'
(Series and Phas		a sandy lo	oam	Γ	Orainage	Class: Moderate	ly well_drain	ned	j
(		-				servations			
Taxonomy (Sub	oroun): Pac'	hic Haplor	reroll				Yes □ No		1
Taxonomy (Subgroup): Pachic Haploxerolls Confirm Mapped Type?   Yes   No									
Profile Descript	ear.								J
	<u>.1011.</u>	Matrix Color		Mottle Co	alare	Mottle			1
Depth	TT - deam					(Abundance/Contrast)	Texture, Concr	otione Structu	ira etc
(inches)		(Munsell Mois		Munsell N		(Abundance/Contrast)		idy Loam	110, 000.
0-14"		7.5YR 3/2	2 +-				סמוז	.ау поаш	$\overline{}$
			<del></del>						
<u> </u>	<del></del>								-
	-								
	<del></del>		-+			<u> </u>	+		
	<del> </del>		-				+		
Hydric Soil Ind	inatore:								
Hydric Soli ilid Histo				ПС	oncretio	ne e			,
						anic Content in surface la	war in Sandy Soils	•	1
	c Epipedon					anic Content in surface is Streaking in Sandy Soils	yei iii sanuy som	,	Ŧ
	dic Odor								ľ
	c Moisture Re					Local Hydric Soils List			,
	cing Condition					National Hydric Soils Li	st		1
☐ Gleye	ed or Low-Ch	roma Colors		⊔ O	ther (Ex	kplain in Remarks)			
Remarks: No	o hydric s	soil indica	ators	•					ļ
11									1
1									
WETLAND	<b>DETERMI</b>	NATION							
Hydrophytic Ve			TT N	No 🛛	T				
пушорпунс 🔻	geranon i 100	em: 105	Ш	الاص ۱۵					
TT des 1 Trudes	1 D	. Van	□ N	No 🛛					
Wetland Hydro	logy Present	? Yes	<u> П</u>	√o ⊠			•		
	-		σ,	- 🔽		~ " B' (Mildelin)	*** 1 10 V-a	□ No	
Hydric Soils Pr	esent?	Yes	∐ N	√o ⊠	Is this	s Sampling Point Within a	a Wetland? Yes	∐ No	$\boxtimes$
<u> </u>	····				<u></u>				
Remarks: Dat	$\overline{\mathtt{a}}$ point $1$	ocated wit	hin S	outher	n Coa	st Live Oak Ripar	ian Forest.	Area is	
jurisdicti	onal under	r CDFG as	Adjac	ent Ri	paria	n habitat. No we	tland vegeta	tion or	
drainages									
11									
J.									

(1987 COE Wetlands Delineation Manual)

Project/Site: Applicant/Owner: Investigator:	Salvation Army Salvation Army Vanessa A. Lee and Kara	Date: County: State:	19 December 2001 San Diego California		
		⊠ Yes □ Yes □ Yes	□ No ⊠ No ⊠ No	Community ID: Transect ID: Plot ID:	CLORF T10, 0 ft DP 48A, PP 48A

# **VEGETATION**

T H H	NI FACU	9.						
	FACU	1.0						
TT		10.						
п	NI	11.						
Н	NI	12.						
		13.						
		14.		L				
		15.						
		16.						
8.   16.   Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%								
Remarks: No hydrophytic vegetation present.								
	BL, FACW	BL, FACW or FAC (excl	13. 14. 15. 16. BL, FACW or FAC (excluding FAC-). 0%	13. 14. 15. 16. BL, FACW or FAC (excluding FAC-). 0%				

<ul> <li>□ Recorded Data (Described in Remarks):</li> <li>□ Stream, Lake, or Tide Gauge</li> <li>□ Aerial Photographs</li> <li>□ Other</li> <li>□ No Recorded Data Available</li> </ul>	Wetland Hydrology Indicators:  Primary Indicators:  Inundated  Saturated in Upper 12 inches  Water Marks  Drift Lines
Field Observations:  Depth of Surface Water:  Depth to free Water in Pit  Depth of Saturated Soil:  (in.)	☐ Sediment Deposits ☐ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: No hydrology indicators.	

SOILS									
Map Unit Name (Series and Phas		a sandy l	oam			rainage		ately	well drained
Taxonomy (Sub	Field Observations  Taxonomy (Subgroup): Pachic Haploxerolls Confirm Mapped Type?   Yes  No								
Profile Descript Depth (inches) 0-14"		Matrix Colo (Munsell Moi 10YR 3/2	oist)	(Muns	tle Colo		Mottle (Abundance/Contra	ast)	Texture, Concretions, Structure, etc. Sandy Loam
77 1 C-11 In 4									
Hydric Soil Indicators:  Histosol Histic Epipedon Sulfidic Odor Aquic Moisture Regime Reducing Conditions Gleyed or Low-Chroma Colors  Concretions High Organic Content in surface layer in Sandy Soils Corganic Streaking in Sandy Soils Listed on Local Hydric Soils List Listed on National Hydric Soils List Other (Explain in Remarks)  Remarks: No hydric soil indicators.									
WETLAND	WETLAND DETERMINATION								
Hydrophytic Ve	egetation Pres	sent? Yes		No					
Wetland Hydro	ology Present?	? Yes		No	$\boxtimes$	i			
Hydric Soils Pro	resent?	Yes		No		Is this	s Sampling Point With	hin a W	Vetland? Yes 🗌 No 🛛
Remarks: Data point located within Southern Coast Live Oak Riparian Forest. Area is jurisdictional under CDFG as Adjacent Riparian habitat.									

(1987 COE Wetlands Delineation Manual)

Project/Site: Applicant/Owner: Investigator:	Salvation Army Salvation Army Vanessa A. Lee and Kara	Date: County: State:	19 December 2001 San Diego California		
		⊠ Yes □ Yes □ Yes	□ No ⊠ No ⊠ No	Community ID: Transect ID: Plot ID:	T10, 10 ft DP 49A, PP 49A

# **VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator			
uercus agrifolia	Т	NI	9.					
icris echioides	Н	FAC	10.					
romus hordeaceus	H	FACU	11.					
irschfeldia incana	H	NI	12.					
			13.					
			14.					
			15.					
			16.					
Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 25%								
ks: Hydrophytic vegetatio	n criter	ia not sat	isfied.					
ks. Hydrophytic vegetatio	n ciicei	ia not sat	isiled.					

<ul> <li>□ Recorded Data (Described in Remarks):</li> <li>□ Stream, Lake, or Tide Gauge</li> <li>□ Aerial Photographs</li> <li>□ Other</li> <li>□ No Recorded Data Available</li> </ul>	Wetland Hydrology Indicators:  Primary Indicators:  Inundated  Saturated in Upper 12 inches  Water Marks  Drift Lines
Field Observations:  Depth of Surface Water:  Depth to free Water in Pit  Depth of Saturated Soil:  (in.)	☐ Sediment Deposits ☐ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: No hydrology indicators.	

# SOILS

Map Unit Name (Series and Phase): Visalia sandy loam Drainage Class: Moderately well drained Field Observations								
Tarranamy (Cubaraun): Da a	-h-a Hanlavara			IYes □ No				
Taxonomy (Subgroup): Pac	nic Hapioxero	115 0	onnim wapped Type:	1 tes 🗀 No				
Profile Description:								
Depth	Matrix Color	Mottle Co						
(inches) Horizon	(Munsell Moist)	(Munsell M		Texture, Concretions, Structure, etc.				
0-12	10YR 3/2			Sandy Loam				
12-14				Sand				
<del>                                     </del>		<del> </del>						
	<del></del>	<del> </del>		<del>                                     </del>				
		-						
1								
		<del>                                     </del>						
High Organic Content in surface layer in Sandy Soils Sulfidic Odor Organic Streaking in Sandy Soils Listed on Local Hydric Soils List Reducing Conditions Gleyed or Low-Chroma Colors Other (Explain in Remarks)  Remarks: No hydric soil indicators. Soil is moist, but not saturated.  WETLAND DETERMINATION								
Hydrophytic Vegetation Pre		No 🛛						
Wetland Hydrology Present		No 🗵						
Hydric Soils Present?	Yes 🗌	No 🗵	Is this Sampling Point Within	a Wetland? Yes 🗌 No 🛛				
Remarks: Data point located within Southern Coast Live Oak Riparian Forest. Area is jurisdictional under CDFG as Adjacent Riparian habitat.								

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army			Date:	19 December 2001		
Applicant/Owner:	Applicant/Owner: Salvation Army				San Diego		
Investigator:				State:	California		
Do normal circumst		□ No	Community ID:	CLORF			
Is the site significantly disturbed (Atypical Situation)?		☐ Yes	⊠ No	Transect ID:	T10, 20 ft		
Is the area a potential	☐ Yes	⊠ No	Plot ID:	DP 50A, PP 50A			
(If needed, expla	in on reverse.)						

# **VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator					
1. Picris echioides	Н	FAC	9.							
2. Salix lucida ssp. lasiandra	Т	OBL	10.							
3. Raphanus sativus	Н	NI	11.							
4. Artemisia douglasiana	Н	FACW	12.							
5.			13.							
6.			14.							
7.			15.							
8.			16.							
Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 75%  Remarks: Hydrophytic vegetation criteria satisfied. Willows overhanging data point.										
<b>.</b>			Remarks: Hydropnytic vegetation criteria satisfied. Willows overnanging data point.							

<ul> <li>☐ Recorded Data (Described in Remarks):</li> <li>☐ Stream, Lake, or Tide Gauge</li> <li>☐ Aerial Photographs</li> <li>☐ Other</li> <li>☐ No Recorded Data Available</li> </ul>	Wetland Hydrology Indicators:  Primary Indicators:  Inundated  Saturated in Upper 12 inches  Water Marks
Field Observations:  Depth of Surface Water:  Depth to free Water in Pit  Depth of Saturated Soil:  (in	) Secondary Indicators (2 or more required):
Remarks: Hydrology indicated by 9-foot wid	e drainage.

# **SOILS**

SOILS						
Map Unit Name (Series and Phase): Visalia	a sandy loam			y well drained		
`			ld Observations	Į.		
Taxonomy (Subgroup): Pach	ic Haploxero	lls Cor	nfirm Mapped Type?	Yes □ No		
Profile Description:						
Depth	Matrix Color	Mottle Colo		~		
	(Munsell Moist)	(Munsell Mo		Texture, Concretions, Structure, etc.		
0-12	10YR 3/2			Sandy Loam		
		ļ				
		<b> </b>				
		<del></del>				
		<del></del>				
		-				
l		<del> </del>				
Hydric Soil Indicators:  Histosol Histic Epipedon Sulfidic Odor Aquic Moisture Regime Reducing Conditions Gleyed or Low-Chroma Colors  Concretions High Organic Content in surface layer in Sandy Soils Organic Streaking in Sandy Soils Listed on Local Hydric Soils List Listed on National Hydric Soils List Other (Explain in Remarks)  Remarks: No hydric soil indicators.						
WETLAND DETERMINATION  Hydrophytic Vegetation Present? Yes No						
Tydrophyne vegetation i res	CHt: 105 KA	110				
Wetland Hydrology Present?	Yes 🛛	No 🔲				
Hydric Soils Present?	Yes		Is this Sampling Point Within a			
Remarks: Area is not of jurisdictional under as a Non-wetland Wat	r CDFG and Co	ounty RPO.	isdictional wetland. The drainage is also	However, the area is o jurisdictional under ACOE		

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army			Date:	19 December 2001
			County:	San Diego	
Investigator: Vanessa A. Lee and Kara A. Altvater			State:	California	
				·	
Do normal circums	⊠ Yes	□ No	Community ID:	CLORF	
Is the site significantly disturbed (Atypical Situation)?			☐ No	Transect ID:	T 10, 30ft
Is the area a potential Problem Area?		☐ Yes	☑ No	Plot ID:	DP 51A, PP 51A
(If needed, expla					

# **VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator	
1. Salix lucida ssp. lasiandra	T	OBL	9.			
2. Rhamnus ilicifolia	S	NI	10.			
3. Picris echioides	H	FAC	11.			
4. Raphanus sativus	H	NI	12.			
5.			13.			
6.			14.			
7.			15.			
8.			16.			
Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 50%						
Remarks: Hydrophytic vegetation criteria not satisfied.						

<ul> <li>□ Recorded Data (Described in Remarks):</li> <li>□ Stream, Lake, or Tide Gauge</li> <li>□ Aerial Photographs</li> <li>□ Other</li> <li>□ No Recorded Data Available</li> </ul>	Wetland Hydrology Indicators:  Primary Indicators:  Inundated  Saturated in Upper 12 inches  Water Marks  Drift Lines
Field Observations:  Depth of Surface Water:  Depth to free Water in Pit  Depth of Saturated Soil:  (in.)	☐ Sediment Deposits ☐ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
	wide drainage (measured at approximate ordinary eet (measured from bank to bank).

# SOILS

Map Unit Name	3							
(Series and Phase): Visalia sandy loam Drainage Class: Moderately well drained							<u>d</u>	
		_			eservations	Yes □ No		
Taxonomy (Subgroup): Pachic Haploxerolls Confirm Mapped Type? 🛛 Yes 🔲 No								
Profile Description:  Depth Matrix Color Mottle Colors Mottle								
Depth (inches)		Munsell Moist)		ell Moist)	(Abundance/Contrast)	Texture, Concreti	ions, Structure, etc.	
(inches)			-				oble	
			-					
Hydric Soil Indicators:  Histosol Histic Epipedon Sulfidic Odor Sulfidic Odor Aquic Moisture Regime Histed on Local Hydric Soils List Gleyed or Low-Chroma Colors  Remarks: Could not dig through cobble. Cobble spans a width of 10 feet within drainage.  It is possible that sediment deposits between cobble satisfy hydric conditions; however, this cannot be determined. In this case, soils are considered to be a natural atypical situation, and the presence of hydric soils is assumed.								
WETLAND DETERMINATION								
Hydrophytic V	egetation Preser	nt? Yes L	No	$\boxtimes$				
Wetland Hydro	ology Present?	Yes	⊠ No					
Hydric Soils P		_	No	_	s Sampling Point Within a		□ No ⊠	
wetland. The draina	Remarks: This area of Southern Coast Live Oak Riparian Forest does not qualify as an ACOE wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat. The drainage is also considered to be Non-wetland Waters of the U.S. (ACOE) and is also jurisdictional under the County and CDFG.							
11								

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army		· · · · · ·	Date:	19 December 2001
Applicant/Owner:	Salvation Army			County:	San Diego
Investigator: Vanessa A. Lee and Kara A. Altvater			State:	California	
Do normal circumst	ances exist on the site?	⊠ Yes	□ No	Community ID:	CLORF
Is the site significan	tly disturbed (Atypical Situation)?	Yes	□ No	Transect ID:	T10, 40 ft
Is the area a potential Problem Area?		☐ Yes	⊠ No	Plot ID:	DP 52A, PP 52A
(If needed, expla					

### **VEGETATION**

F	FAC 'ACW NI	9. 10. 11. 12. 13. 14.				
		11. 12. 13. 14.				
	NI	12. 13. 14.				
		13. 14.				
		14.				
		15		l I		
		<del></del>				
		16.				
Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 66%						
iteria s	satisfie	ed.				
-						
8. Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 66%  Remarks: Hydrophytic vegetation criteria satisfied.						

☐ Recorded Data (Described in Remarks):	Wetland Hydrology Indicators:
☐ Stream, Lake, or Tide Gauge	Primary Indicators:
Aerial Photographs	☐ Inundated
☐ Other	☐ Saturated in Upper 12 inches
☐ No Recorded Data Available	☐ Water Marks
	☐ Drift Lines
Field Observations:	☐ Sediment Deposits
Depth of Surface Water: (in.)	☐ Drainage Patterns in Wetlands
Depth to free Water in Pit (in.)	Secondary Indicators (2 or more required):
Depth of Saturated Soil: (in.)	Oxidized Root Channels in Upper 12 Inches
•	☐ Water-Stained Leaves
	☐ Local Soil Survey Data
	☐ FAC-Neutral Test
	Other (Explain in Remarks)
Remarks: Hydrology is indicated by 16-foot	wide drainage (measured at approximate ordinary
high water mark). Streambed width is 20 :	feet (measured from bank to bank). This is the
same drainage as the one sampled in previous	ous data point. The drainage takes a turn and
rung along the transect rather than perper	

SOILS														
Map Unit Name (Series and Phas Taxonomy (Sub	se): Visali			lls	Fi	eld Ob	Class: servations Mapped	3	ratel	y well o		ed		_
Profile Descript	ion:	Matrix Col	~=	Mos	ttle Col	lo <del>r</del> s		Mottle						
Depth (inches)	Horizon	(Munsell Mo			nsell M			ance/Cor	ntrast)	Texture,	Concre	tions, S	tructui	re, etc.
0											Со	bble		
														_
								_		· · · · · · · · · · · · · · · · · · ·				
		<u> </u>						<del></del>						
☐ Sulfic	e Epipedon dic Odor c Moisture Recing Condition ed or Low-Ch Could not ible that	ns roma Colors dig in c sediment rmined.	dep In t	e su osita	Or, Lis Lis Oth	gh Org ganic S sted on sted on her (Ex ate. ween soi	anic Cont Streaking Local Hy National splain in I Width cobble	in Sandy dric Soil Hydric S Remarks) of Cole satis consideration	Soils s List Soils List bolle was to have been seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as the seen as	within d	raina nditi	ons;	hower	ver,
WETLAND	DETERMI	INATION												
Hydrophytic Ve	egetation Pres	sent? Yes	$\boxtimes$	No										
Wetland Hydro	logy Present?	Yes	$\boxtimes$	No										
Hydric Soils Pr		Yes		No			•			Wetland?	_		No	
Remarks: Thi CDFG, and			ı Coa	st L	ive (	Oak R	iparia	n Fore	st is	jurisdi	ction	al un	.der	ACOE,

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army	Date:	19 December 2001		
Applicant/Owner:	Salvation Army Vanessa A. Lee and Kara	Λ		County: State:	San Diego California
Investigator:	Vallessa A. Lee and kara	A. AILVAL	<u> </u>	State.	Callonia
Do normal circums	tances exist on the site?	⊠ Yes	□No	Community ID:	CLORF
Is the site significar	ntly disturbed (Atypical Situation)?	☐ Yes	⊠ No	Transect ID:	T 10, 50ft
Is the area a potenti		☐ Yes	🛛 No	Plot ID:	DP 53A, PP 53A
(If needed, expla	in on reverse.)			<u> </u>	

# VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Platanus racemosa	T	FACW	9.		
2.			10.	<u> </u>	
3			11.		
			12.		
4 . 5 .			13.		
6.			14.		
7.			15.		
8.			16.		<u> </u>
Percentage of Dominant Species that a Remarks: Data point is on bo					

<ul> <li>☐ Recorded Data (Described in Remarks):</li> <li>☐ Stream, Lake, or Tide Gauge</li> <li>☐ Aerial Photographs</li> <li>☐ Other</li> <li>☐ No Recorded Data Available</li> </ul>	Wetland Hydrology Indicators:  Primary Indicators:  Inundated  Saturated in Upper 12 inches  Water Marks  Drift Lines
Field Observations:  Depth of Surface Water:  Depth to free Water in Pit  Depth of Saturated Soil:  (in.)	☐ Sediment Deposits ☐ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: No hydrology indicators.	

### SOILS Map Unit Name Moderately well drained (Series and Phase): Visalia sandy loam Drainage Class: Field Observations □ No Confirm Mapped Type? ☑ Yes Taxonomy (Subgroup): Pachic Haploxerolls **Profile Description:** Mottle Colors Mottle Matrix Color Depth Texture, Concretions, Structure, etc. (Abundance/Contrast) (Munsell Moist) (Munsell Moist) Horizon (inches) Large boulder 0 - - **-**_ - -Hydric Soil Indicators: ☐ Concretions ☐ Histosol ☐ High Organic Content in surface layer in Sandy Soils ☐ Histic Epipedon Organic Streaking in Sandy Soils ☐ Sulfidic Odor Listed on Local Hydric Soils List ☐ Aquic Moisture Regime ☐ Listed on National Hydric Soils List ☐ Reducing Conditions ☐ Other (Explain in Remarks) ☐ Gleyed or Low-Chroma Colors Remarks: Soils not sampled due to presence of large boulder. WETLAND DETERMINATION Hydrophytic Vegetation Present? No $\boxtimes$ Wetland Hydrology Present? Yes No 冈 Is this Sampling Point Within a Wetland? No Hydric Soils Present? Yes Remarks: This area of Southern Coast Live Oak Riparian Forest does not qualify as an ACOE

wetland. However, it is jurisdictional under CDFG and County RPO.

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army			Date:	19 December 2001
Applicant/Owner:	Salvation Army			County:	San Diego
Investigator:	Vanessa A. Lee and Kara	A. Altvat	er	State:	California
Do normal circums	tances exist on the site?	⊠ Yes	☐ No	Community ID:	CLORF
Is the site significar	ntly disturbed (Atypical Situation)?	☐ Yes	⊠ No	Transect ID:	T 10, 60ft
Is the area a potenti		☐ Yes	⊠ No	Plot ID:	DP 54A, PP 54A
(If needed, expla					

# VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Platanus racemosa	T	FACW	9.		
2. Bromus diandrus	Н	NI	10.		
3.			11.		
ł.			12.		·
			13.		
<b>5</b> .			14.		
7.			15.		
8.			16.		
Percentage of Dominant Species that Remarks: Hydrophytic vegeta		·			

<ul> <li>Recorded Data (Described in Remarks):</li> <li>☐ Stream, Lake, or Tide Gauge</li> <li>☐ Aerial Photographs</li> <li>☐ Other</li> <li>☐ No Recorded Data Available</li> </ul>	Wetland Hydrology Indicators:  Primary Indicators:  Inundated  Saturated in Upper 12 inches  Water Marks  Drift Lines
Field Observations:  Depth of Surface Water: (in.)	<ul><li>☐ Sediment Deposits</li><li>☐ Drainage Patterns in Wetlands</li></ul>
Depth to free Water in Pit (in.)	Secondary Indicators (2 or more required):
Depth of Saturated Soil: (in.)	Oxidized Root Channels in Upper 12 Inches
	☐ Water-Stained Leaves
	☐ Local Soil Survey Data
	<ul><li>☐ FAC-Neutral Test</li><li>☐ Other (Explain in Remarks)</li></ul>
Remarks: No hydrology indicators.	
	·

### **SOILS** Map Unit Name Moderately well drained (Series and Phase): Visalia sandy loam Drainage Class: Field Observations Confirm Mapped Type? ✓ Yes □ No Taxonomy (Subgroup): Pachic Haploxerolls Profile Description: Mottle Colors Mottle Matrix Color Depth Texture, Concretions, Structure, etc. (Abundance/Contrast) (Munsell Moist) (Munsell Moist) (inches) Horizon Sandy Loam 10YR 3/2 ---0-14 Hydric Soil Indicators: ☐ Histosol ☐ Concretions High Organic Content in surface layer in Sandy Soils ☐ Histic Epipedon Organic Streaking in Sandy Soils Sulfidic Odor Listed on Local Hydric Soils List Aquic Moisture Regime ☐ Listed on National Hydric Soils List ☐ Reducing Conditions ☐ Other (Explain in Remarks) ☐ Gleyed or Low-Chroma Colors Remarks: No hydric soil indicators. WETLAND DETERMINATION $\boxtimes$ Hydrophytic Vegetation Present? No Wetland Hydrology Present? Yes No 冈 Is this Sampling Point Within a Wetland? Yes

Remarks: This area of Southern Coast Live Oak Riparian Forest does not qualify as an ACOE wetland. However, the area is jurisdictional under CDFG and the County (see Data Point

No

Yes

Hydric Soils Present?

53A).

Approved by HQUSACE 3/92

(1987 COE Wetlands Delineation Manual)

Project/Site: Applicant/Owner: Investigator:	Salvation Army Salvation Army Vanessa A. Lee and Kara	A. Altvat	er	Date: County: State:	19 December 2001 San Diego California
1		⊠ Yes □ Yes □ Yes	□ No ⊠ No ⊠ No	Community ID: Transect ID: Plot ID:	CLORF T 10, 70ft DP 55A, PP 55A

# **VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Platanus racemosa	T	FACW	9.		
2. Bromus diandrus	Н	NI	10.		
3. Eriogonum fasciculatum	Н	NI	11.		
4.		_	12.		
5.			13.		
6.			14.		
7.	1		15.		
8.			16.		
Percentage of Dominant Species that are Remarks: Hydrophytic vegetati				anging data	point.

Recorded Data (Described in Remarks):	Wetland Hydrology Indicators:
Stream, Lake, or Tide Gauge	Primary Indicators:
Aerial Photographs	☐ Inundated
☐ Other	Saturated in Upper 12 inches
☐ No Recorded Data Available	☐ Water Marks
	☐ Drift Lines
Field Observations:	☐ Sediment Deposits
Depth of Surface Water: (in.)	☐ Drainage Patterns in Wetlands
Depth to free Water in Pit (in.)	Secondary Indicators (2 or more required):
Depth of Saturated Soil: (in.)	Oxidized Root Channels in Upper 12 Inches
*	☐ Water-Stained Leaves
	☐ Local Soil Survey Data
	☐ FAC-Neutral Test
	Other (Explain in Remarks)
Remarks: No hydrology indicators.	

### **SOILS** Map Unit Name (Series and Phase): Visalia sandy loam Moderately well drained Drainage Class: Field Observations Confirm Mapped Type? □ No Yes Taxonomy (Subgroup): Pachic Haploxerolls Profile Description: Mottle Depth Matrix Color Mottle Colors (Abundance/Contrast) Texture, Concretions, Structure, etc. (Munsell Moist) (Munsell Moist) (inches) Horizon Sandy Loam 10YR 3/2 ---0 - 14---Hydric Soil Indicators: Concretions ☐ Histosol ☐ High Organic Content in surface layer in Sandy Soils ☐ Histic Epipedon Organic Streaking in Sandy Soils ☐ Sulfidic Odor Listed on Local Hydric Soils List ☐ Aquic Moisture Regime ☐ Listed on National Hydric Soils List ☐ Reducing Conditions ☐ Other (Explain in Remarks) ☐ Gleyed or Low-Chroma Colors Remarks: No hydric soil indicators.

### WETLAND DETERMINATION X Hydrophytic Vegetation Present? No $\boxtimes$ Wetland Hydrology Present? Yes No X $\boxtimes$ Is this Sampling Point Within a Wetland? Yes П Hydric Soils Present? Yes No Remarks: This area of Southern Coast Live Oak Riparian Forest does not qualify as an ACOE However, the area is jurisdictional under CDFG and the County (see Data Point 53A). Beyond this data point, the transect continues up-slope. All vegetation beneath and beyond this grouping of Western Sycamores is upland vegetation.

(1987 COE Wetlands Delineation Manual)

Project/Site: Applicant/Owner: Investigator:	Salvation Army Salvation Army Vanessa A. Lee and Brian	ı D. Parke	r	Date: County: State:	20 December 20 San Diego California	001
		⊠ Yes □ Yes □ Yes	□ No ⊠ No ⊠ No	Community ID: Transect ID: Plot ID:	CLORF T 11, Oft DP 56A, PP 56	бA

# **VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator					
1. Quercus agrifolia	T	NI	9.		.,					
2. Rhamnus ilicifolia	S	NI	10.							
3. Toxicodendron diversilobum	Н	NI	11.							
4.	I		12							
5.			13.		.,,,					
6.			14.							
7.			15							
8.			16.	<u> </u>						
Percentage of Dominant Species that are	OBL, FACV	V or FAC (exclu	uding FAC-). 0%							
Remarks: No hydrophytic vegetation present. Coast Live Oak Riparian Forest vegetation.										
			_							

<ul> <li>□ Recorded Data (Described in Remarks):</li> <li>□ Stream, Lake, or Tide Gauge</li> <li>□ Aerial Photographs</li> <li>□ Other</li> <li>□ No Recorded Data Available</li> </ul>	Wetland Hydrology Indicators:  Primary Indicators:  Inundated  Saturated in Upper 12 inches  Water Marks  Drift Lines
Field Observations:  Depth of Surface Water:  Depth to free Water in Pit  Depth of Saturated Soil:  (in.)	☐ Sediment Deposits ☐ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: No hydrology indicators.	

### **SOILS** Map Unit Name Moderately well drained Drainage Class: (Series and Phase): Visalia sandy loam Field Observations □ No Confirm Mapped Type? Yes Taxonomy (Subgroup): Pachic Haploxerolls Profile Description: Mottle Matrix Color Mottle Colors Depth Texture, Concretions, Structure, etc. (Munsell Moist) (Munsell Moist) (Abundance/Contrast) (inches) Horizon Sandy Loam 7.5YR 3/2 0-8 Sandy Loam 10YR 4/4 ___ 8-12 Hydric Soil Indicators: ☐ Concretions ☐ Histosol High Organic Content in surface layer in Sandy Soils ☐ Histic Epipedon Organic Streaking in Sandy Soils ☐ Sulfidic Odor Listed on Local Hydric Soils List ☐ Aquic Moisture Regime Listed on National Hydric Soils List ☐ Reducing Conditions ☐ Gleyed or Low-Chroma Colors Other (Explain in Remarks) Hit rock at 12 inches. Remarks: No hydric soil indicators. WETLAND DETERMINATION

### $\boxtimes$ Hydrophytic Vegetation Present? No X Wetland Hydrology Present? Yes No $\boxtimes$ □ No $\boxtimes$ Is this Sampling Point Within a Wetland? Yes No Hydric Soils Present? Remarks: This area of Southern Coast Live Oak Riparian Forest does not qualify as a wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat.

(1987 COE Wetlands Delineation Manual)

Project/Site: Applicant/Owner: Investigator:	Salvation Army Salvation Army Vanessa A. Lee and Brian	n D. Parker		Date: County: State:	20 December 2001 San Diego California
		⊠ Yes □ Yes □ Yes	□ No ☑ No ☑ No	Community ID: Transect ID: Plot ID:	CLORF T 11, 10ft DP 57A, PP57A

# **VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator	
1. Quercus agrifolia	T	NI	9.			
2. Bromus diandrus	Н	NI	10.			
3. Toxicodendron diversilobum	S	NI	11.			
4. Picris echioides	Н	FAC	12.			
5.			13.			
6.			14.			
7.			15.			
8.			16.			
Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 25%  Remarks: Hydrophytic vegetation criteria not satisfied.						

<ul> <li>□ Recorded Data (Described in Remarks):</li> <li>□ Stream, Lake, or Tide Gauge</li> <li>□ Aerial Photographs</li> <li>□ Other</li> <li>□ No Recorded Data Available</li> </ul>	Wetland Hydrology Indicators:  Primary Indicators:  Inundated  Saturated in Upper 12 inches  Water Marks  Drift Lines
Field Observations:  Depth of Surface Water:  Depth to free Water in Pit  Depth of Saturated Soil:  (in.)	☐ Sediment Deposits ☐ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: No hydrology indicators.	

### SOILS Map Unit Name Drainage Class: Moderately well drained (Series and Phase): Visalia sandy loam Field Observations Confirm Mapped Type? ⊠ Yes ☐ No Taxonomy (Subgroup): Pachic Haploxerolls Profile Description: Matrix Color Mottle Colors Mottle Depth (Munsell Moist) (Munsell Moist) (Abundance/Contrast) Texture, Concretions, Structure, etc. (inches) Horizon Sandy Loam 7.5YR 3/2 ---0-7 10YR 4/4 Sandy Loam 7-14 Hydric Soil Indicators: ☐ Concretions ☐ Histosol ☐ High Organic Content in surface layer in Sandy Soils ☐ Histic Epipedon Organic Streaking in Sandy Soils ☐ Sulfidic Odor ☐ Listed on Local Hydric Soils List ☐ Aquic Moisture Regime ☐ Reducing Conditions ☐ Listed on National Hydric Soils List ☐ Gleyed or Low-Chroma Colors ☐ Other (Explain in Remarks) Remarks: No hydric soil indicators. WETLAND DETERMINATION $\boxtimes$ Hydrophytic Vegetation Present? No

# $\boxtimes$ Wetland Hydrology Present? Yes No 冈 $\boxtimes$ Is this Sampling Point Within a Wetland? Yes ☐ No Hydric Soils Present? Yes No Remarks: This area of Southern Coast Live Oak Riparian Forest does not qualify as a wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat. Approved by HQUSACE 3/92

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army			Date:	20 December 2001
Applicant/Owner:	Salvation Army			County:	San Diego
Investigator:	Vanessa A. Lee and Brian D. Parker			State:	California
Do normal circumst	tances exist on the site?		□ No	Community ID:	CLORF
	ntly disturbed (Atypical Situation)?		□ No	Transect ID:	T 11, 20ft
Is the area a potential Problem Area?		☐ Yes	⊠ No	Plot ID:	DP 58A, PP 58A
(If needed, expla	in on reverse.)				

# **VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
l. Quercus agrifolia	T	NI	9.		
2. Picris echioides	Н	FAC	10.		
3. Toxicodendron diversilobum	Н	NI	11.		
1.			12.		
ō.			13.		
5.			14.		
7.			15.		
3.			16.		
Percentage of Dominant Species that are Remarks: Hydrophytic vegetation					

Wetland Hydrology Indicators:  Primary Indicators:  Inundated  Saturated in Upper 12 inches  Water Marks
☐ Drift Lines
☐ Sediment Deposits
☐ Drainage Patterns in Wetlands
Secondary Indicators (2 or more required):
Oxidized Root Channels in Upper 12 Inches
☐ Water-Stained Leaves
☐ Local Soil Survey Data
☐ FAC-Neutral Test
Other (Explain in Remarks)
drainage (measured at approximate ordinary high (measured from bank to bank).
_

# SOILS

SUILS								
Map Unit Name	.e							
		ia sandy loam	m	Drainage		y well drained		
1	Field Observations							
Taxonomy (Sul	ogroup): Pac	chic Haploxer	olls	Confirm	n Mapped Type?	Yes □ No		
l ,	-					ļ.		
Profile Descript	tion:	Trit C-low	Mat	• 0-1	¥ / - 441 a	ļ.		
Depth	** '	Matrix Color		tle Colors	Mottle (Abundance/Contract)	Texture, Concretions, Structure, etc.		
(inches)	Horizon	(Munsell Moist)		sell Moist) _	(Abundance/Contrast)	Cobble		
<b></b> _	+					CODDIC		
	†	i						
		1						
		+	<u> </u>					
Ĺ		<del></del>				ļ		
	<del></del>		<del></del>			ļ		
Hydric Soil Ind	dicators:					1		
Hydric Son ind				Concretio	ons	, , , , , , , , , , , , , , , , , , ,		
i 🛮	ic Epipedon		Ē	_	ganic Content in surface lay	ver in Sandy Soils		
	idic Odor		Ē		Streaking in Sandy Soils	.!		
[1]	ic Moisture R	tegime			n Local Hydric Soils List	· •		
	ucing Condition				n National Hydric Soils List	st '		
		Chroma Colors			Explain in Remarks)	'		
1								
Remarks: Cou	ıld not d	ig due to co	oble.	Cobble v	width within draina	age is 6 feet. It is		
possible t	that sedim	ment deposits	s betwee	en cobble	le satisfy hydric c	conditions; however, this		
cannot be	determine					e a natural atypical		
situation, and the presence of hydric soils is assumed.								
WARTY AND	WETLAND DETERMINATION							
			<del></del>	<u> </u>				
Hydrophytic V	egetation Pre	esent? Yes _	No					
	• 5	~ v . F	71 N.					
Wetland Hydro	ology Present	t? Yes ⊠	No	$\sqcup$				
A TE Calla D	- 40	Yes ⊠	₹l No	□   In th	is Sampling Point Within a	Wetland? Yes 🗌 No 🛛		
Hydric Soils Pr	resentr	Yes 🗵	J INO	19 mm	3 Sampling rount within a	Meriand, 162 - 140 - 17		
Dlear mb		C Cartham C	T;		Dimension Forget do	not muslify as an ACOE		
Remarks: Thi	.s area oi	# Southern C	TIL JSBC	ve Oak k Fightional	diparian rocest doe	es not qualify as an ACOE jacent Riparian habitat.		
The draina	However,	nsidered to	oe Non-	wetland	Waters of the U.S	. (ACOE) and is also		
jurisdicti	onal unde	er the County	y and C	DFG.		<b>\</b>		
jurisdictional under the County and CDFG.								

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army			Date:	20 December 2001
Applicant/Owner:	Salvation Army			County:	San Diego
Investigator:	<u> </u>				California
Do normal circumst	tances exist on the site?		□ No	Community ID:	NNG
Is the site significan	atly disturbed (Atypical Situation)?	☐ Yes	⊠ No	Transect ID:	T 11, 30ft
Is the area a potenti		☐ Yes	⊠ No	Plot ID:	DP 59A, PP 59A
(If needed, expla					

# **VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Raphanus sativus	H	NI	9.		
2.			10.		
3.			11.		
4.			12.		
4. 5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percentage of Dominant Species that are	OBL, FACV	V or FAC (exclu	iding FAC-). 0%		
Remarks: No hydrophytic veget	ation pre	esent.		-	

<ul> <li>☐ Recorded Data (Described in Remarks):</li> <li>☐ Stream, Lake, or Tide Gauge</li> <li>☐ Aerial Photographs</li> <li>☐ Other</li> <li>☐ No Recorded Data Available</li> </ul>	Wetland Hydrology Indicators:  Primary Indicators:  ☐ Inundated ☐ Saturated in Upper 12 inches ☐ Water Marks ☐ Drift Lines
Field Observations:  Depth of Surface Water: (in.)  Depth to free Water in Pit (in.)  Depth of Saturated Soil: (in.)	☐ Sediment Deposits ☐ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: No hydrology indicators.	

### **SOILS** Map Unit Name Drainage Class: Moderately well drained (Series and Phase): Visalia sandy loam Field Observations Taxonomy (Subgroup): Pachic Haploxerolls Confirm Mapped Type? ☑ Yes □ No Profile Description: Matrix Color Mottle Colors Mottle Depth Texture, Concretions, Structure, etc. (Munsell Moist) (Munsell Moist) (Abundance/Contrast) (inches) Horizon 7.5YR 3/2 Sandy Loam 1-14 Hydric Soil Indicators: ☐ Histosol ☐ Concretions High Organic Content in surface layer in Sandy Soils ☐ Histic Epipedon Organic Streaking in Sandy Soils ☐ Sulfidic Odor ☐ Listed on Local Hydric Soils List ☐ Aquic Moisture Regime ☐ Listed on National Hydric Soils List ☐ Reducing Conditions ☐ Gleyed or Low-Chroma Colors ☐ Other (Explain in Remarks) Remarks: No hydric soil indicators.

# WETLAND DETERMINATION

Hydrophytic Vegetation Present? Yes No Metland Hydrology Present? Yes No Metland Hydrology Present? Yes No Metland Point Within a Wetland? Yes No Memarks: Non-native Grassland vegetation dominated by Radish. This is a potential wetland mitigation area adjacent to Southern Coast Live Oak Riparian Forest habitat.						
Hydric Soils Present?  Yes No Is this Sampling Point Within a Wetland? Yes No Remarks: Non-native Grassland vegetation dominated by Radish. This is a potential wetland	Hydrophytic Vegetation Present?	Yes		No	$\boxtimes$	
Remarks: Non-native Grassland vegetation dominated by Radish. This is a potential wetland	Wetland Hydrology Present?	Yes		No		
	Hydric Soils Present?	Yes		No		Is this Sampling Point Within a Wetland? Yes 🔲 No 🛛
	Remarks: Non-native Grassl mitigation area adjacent	and to	vege Sout	tati hern	on de Coas	

(1987 COE Wetlands Delineation Manual)

Project/Site: Applicant/Owner: Investigator:	Owner: Salvation Army			Date: County: State:	20 December 2001 San Diego California
Do normal circumstances exist on the site?  Is the site significantly disturbed (Atypical Situation)?  Is the area a potential Problem Area?  (If needed, explain on reverse.)		⊠ Yes □ Yes □ Yes	□ No ⊠ No ⊠ No	Community ID: Transect ID: Plot ID:	NNG T 11, 40ft DP 60A, PP 60A

# **VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Raphanus sativus	Н	NI	9.		
2.			10.		
3.	†		11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		<u></u>
Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%					
Remarks: No hydrophytic vegetation present.					
TOTAL TO MY GRADELLY CONTRACTOR FOR THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STAT					

<ul> <li>☐ Recorded Data (Described in Remarks):</li> <li>☐ Stream, Lake, or Tide Gauge</li> <li>☐ Aerial Photographs</li> <li>☐ Other</li> <li>☐ No Recorded Data Available</li> </ul>	Wetland Hydrology Indicators:  Primary Indicators:  Inundated  Saturated in Upper 12 inches  Water Marks  Drift Lines
Field Observations:  Depth of Surface Water:  Depth to free Water in Pit  Depth of Saturated Soil:  (in.)  (in.)	☐ Sediment Deposits ☐ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: No hydrology indicators.	

### **SOILS** Map Unit Name Drainage Class: Moderately well drained (Series and Phase): Visalia sandy loam Field Observations Taxonomy (Subgroup): Pachic Haploxerolls Confirm Mapped Type? □ No Profile Description: Matrix Color Mottle Colors Mottle Depth (Munsell Moist) (Munsell Moist) (Abundance/Contrast) Texture, Concretions, Structure, etc. (inches) Horizon Sandy Loam 7.5YR 3/2 0-14 Hydric Soil Indicators: ☐ Histosol ☐ Concretions High Organic Content in surface layer in Sandy Soils ☐ Histic Epipedon Organic Streaking in Sandy Soils ☐ Sulfidic Odor ☐ Aquic Moisture Regime Listed on Local Hydric Soils List ☐ Reducing Conditions Listed on National Hydric Soils List ☐ Gleyed or Low-Chroma Colors ☐ Other (Explain in Remarks) Remarks: No hydric soil indicators.

### WETLAND DETERMINATION Hydrophytic Vegetation Present? $\boxtimes$ No Wetland Hydrology Present? Yes No $\boxtimes$ $\boxtimes$ Is this Sampling Point Within a Wetland? Yes ☐ No $\boxtimes$ Hydric Soils Present? Yes П No Remarks: Non-native Grassland vegetation dominated by Radish. This is a potential wetland mitigation area adjacent to Southern Coast Live Oak Riparian Forest habitat.

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army			Date:	20 December 2001		
Applicant/Owner:	Salvation Army			County:	San Diego		
Investigator:	Vanessa A. Lee and Brian D. Parker			State:	California		
Do normal circumstances exist on the site?		Yes	□ No	Community ID:	NNG		
Is the site significantly disturbed (Atypical Situation)?		☐ Yes	⊠ No	Transect ID:	T 11, 50ft		
Is the area a potential Problem Area?		☐ Yes	⊠ No	Plot ID:	DP 61A, PP 61A		
(If needed, expla							

# **VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Raphanus sativus	H	NI	9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%					
Remarks: No hydrophytic vegetation present.					

<ul> <li>☐ Recorded Data (Described in Remarks):</li> <li>☐ Stream, Lake, or Tide Gauge</li> <li>☐ Aerial Photographs</li> <li>☐ Other</li> <li>☐ No Recorded Data Available</li> </ul>	Wetland Hydrology Indicators:  Primary Indicators:  Inundated  Saturated in Upper 12 inches  Water Marks  Drift Lines
Field Observations:  Depth of Surface Water:  Depth to free Water in Pit  Depth of Saturated Soil:  (in.)	☐ Sediment Deposits ☐ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: No hydrology indicators.	

#### **SOILS** Map Unit Name Moderately well drained Drainage Class: (Series and Phase): Visalia sandy loam Field Observations Taxonomy (Subgroup): Pachic Haploxerolls Confirm Mapped Type? ✓ Yes ☐ No Profile Description: Mottle Colors Mottle Matrix Color Depth Texture, Concretions, Structure, etc. (Abundance/Contrast) (Munsell Moist) (Munsell Moist) (inches) Horizon Sandy Loam 7.5YR 3/2 0-14 ---Hydric Soil Indicators: ☐ Concretions ☐ Histosol High Organic Content in surface layer in Sandy Soils ☐ Histic Epipedon Organic Streaking in Sandy Soils ☐ Sulfidic Odor Listed on Local Hydric Soils List ☐ Aquic Moisture Regime ☐ Listed on National Hydric Soils List ☐ Reducing Conditions ☐ Other (Explain in Remarks) ☐ Gleyed or Low-Chroma Colors Remarks: No hydric soil indicators. WETLAND DETERMINATION $\boxtimes$ Hydrophytic Vegetation Present? No No $\boxtimes$ Wetland Hydrology Present? Yes $\boxtimes$ Is this Sampling Point Within a Wetland? Yes □ No $\boxtimes$ Hydric Soils Present? No Yes This is a potential wetland Remarks: Non-native Grassland vegetation dominated by Radish. mitigation area adjacent to Southern Coast Live Oak Riparian Forest habitat.

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army	_		Date:	20 December 2001
Applicant/Owner:	Salvation Army			County:	San Diego
Investigator:	Vanessa A. Lee and Brian	D. Parker		State:	California
Do normal circumst	ances exist on the site?	⊠ Yes	□ No	Community ID:	NNG
Is the site significan	tly disturbed (Atypical Situation)?	☐ Yes	☑ No	Transect ID:	T 11, 60ft
Is the area a potentia		☐ Yes	⊠ No	Plot ID:	DP 62A, PP 62A
(If needed, explain				<u> </u>	

#### **VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Raphanus sativus	Н	NI	9.		
2.			10.		
3.			11.		
			12.		
4. 5.			13.		
6.	,		14.		
7.			15.		
8.			16.		
Percentage of Dominant Species that are	OBL, FACV	V or FAC (exclu	uding FAC-). 0%		
Remarks: No hydrophytic veget	ation pre	esent.			
	-				
<b>†</b>					

<ul> <li>☐ Recorded Data (Described in Remarks):</li> <li>☐ Stream, Lake, or Tide Gauge</li> <li>☐ Aerial Photographs</li> <li>☐ Other</li> <li>☐ No Recorded Data Available</li> </ul>	Wetland Hydrology Indicators:  Primary Indicators:  Inundated  Saturated in Upper 12 inches  Water Marks  Drift Lines
Field Observations:  Depth of Surface Water:  Depth to free Water in Pit  Depth of Saturated Soil:  (in.)	☐ Sediment Deposits ☐ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: No hydrology indicators.	

SOILS							
Map Unit Name	ð				<del></del>		J'
(Series and Phas		a sandy	loam		Dr ^c	rainage Class: Moderatel	ly well drained
(23	, - , ·					eld Observations	<u> </u>
Taxonomy (Sub	ogroup): Pac	nic Hap'	loxero	.lls	Ce	onfirm Mapped Type?	Yes ☐ No
Turker	<u>B1</u> /						<u> </u>
Profile Descript	tion:						J.
Depth	1011.	Matrix C	`olor	Moʻ	ttle Colo	lors Mottle	ŗ
(inches)	Horizon	(Munsell M			nsell Mo		Texture, Concretions, Structure, etc.
0-6							Sand
6-10		10YR 3					Silt Loam
10-16		10YR 4	4/4				Silt Loam
				<u> </u>		F	<u> </u>
			'	₩			ļI
	1			4		'	<u> </u>
	4			<del></del>			
	<u></u>			<u></u>			
Hydric Soil Ind				г	$\Box$ $C_{\alpha}$		,
☐ Histor				L F		ncretions gh Organic Content in surface lay	in Candy Sails
	c Epipedon			L [			yer in Sandy Sons
	dic Odor			L r		ganic Streaking in Sandy Soils	· ·
	ic Moisture Re					sted on Local Hydric Soils List	
	ucing Condition			_		sted on National Hydric Soils Lis	st .
☐ Gleye	ed or Low-Ch	ıroma Colo	rs	L	⊔ Oth	her (Explain in Remarks)	
il							
Remarks: No	hydric so	il indi	cators	3.			
<b>il</b>							
1							
41							
l							<u></u>
			_ •				
WETLAND	DETERM	<u>INATIO</u>	<u> </u>				
Hydrophytic Ve	egetation Pres	sent? Yes	s	No	$\boxtimes$		· <del></del>
11,	- B	****	_				
Wetland Hydro	ology Present?	? Yes	s 🔲	No	$\boxtimes$		
''	1067		, <del>-</del>		_		
Hydric Soils Pr	resent?	Yes	s 🔲	No	$\boxtimes$	Is this Sampling Point Within a	a Wetland? Yes 🗌 No 🛛
'					_		
Remarks: Nor	native C	<u></u>	d veg	etati	on do	ominated by Radish. Th	This is a potential wetland
mitigation	area adj	acent t	o Sout	hern	Coas	st Live Oak Riparian Fo	orest habitat.
	WI		-		-	_	
11							

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army			Date:	20 December 2001
Applicant/Owner:	Salvation Army			County:	San Diego
Investigator:	Vanessa A. Lee and Brian	ı D. Parke	r	State:	California
Do normal circums	tances exist on the site?		□ No	Community ID:	DIST
Is the site significan	ntly disturbed (Atypical Situation)?	☐ Yes	No	Transect ID:	T 11, 70ft
Is the area a potenti		☐ Yes	☑ No	Plot ID:	DP 63A, PP 63A
(If needed, expla					

#### **VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Raphanus sativus	Н	NI	9.		
2.			10.		
3.			11.		
4.			12.		
4. 5. 6.			13.		
6.			14.		
7.			15.		
8.			16.		
Percentage of Dominant Species that are	OBL, FACV	or FAC (exclu	iding FAC-). 0%		
Remarks: Disturbed habitat do	minated k	y Raphanus	ī <u>.</u>		
		<b>2</b>			

Recorded Data (Described in Remarks):	Wetland Hydrology Indicators:
☐ Stream, Lake, or Tide Gauge	Primary Indicators:
☐ Aerial Photographs	☐ Inundated
☐ Other	☐ Saturated in Upper 12 inches
☐ No Recorded Data Available	☐ Water Marks
	☐ Drift Lines
Field Observations:	☐ Sediment Deposits
Depth of Surface Water: (in.)	☐ Drainage Patterns in Wetlands
Depth to free Water in Pit (in.)	Secondary Indicators (2 or more required):
Depth of Saturated Soil: (in.)	Oxidized Root Channels in Upper 12 Inches
	☐ Water-Stained Leaves
	☐ Local Soil Survey Data
	☐ FAC-Neutral Test
	Other (Explain in Remarks)
Remarks: No hydrology indicators.	

#### **SOILS** Map Unit Name Drainage Class: Moderately well drained (Series and Phase): Visalia sandy loam Field Observations Taxonomy (Subgroup): Pachic Haploxerolls Confirm Mapped Type? ⊠ Yes □ No Profile Description: Mottle Colors Mottle Matrix Color Depth (Abundance/Contrast) Texture, Concretions, Structure, etc. Horizon (Munsell Moist) (Munsell Moist) (inches) Loam 7.5 YR 3/2 0-14 ---Hydric Soil Indicators: ☐ Concretions ☐ Histosol ☐ High Organic Content in surface layer in Sandy Soils ☐ Histic Epipedon ☐ Organic Streaking in Sandy Soils ☐ Sulfidic Odor ☐ Listed on Local Hydric Soils List ☐ Aquic Moisture Regime ☐ Listed on National Hydric Soils List ☐ Reducing Conditions ☐ Other (Explain in Remarks) ☐ Gleyed or Low-Chroma Colors Remarks: No hydric soil indicators.

#### WETLAND DETERMINATION $\boxtimes$ Hydrophytic Vegetation Present? No Wetland Hydrology Present? Yes No $\boxtimes$ Yes □ No $\boxtimes$ Is this Sampling Point Within a Wetland? Hydric Soils Present? No $\boxtimes$ Yes Remarks: Disturbed habitat. Approved by HQUSACE 3/92

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army			Date:	20 December 2001
Applicant/Owner:	Salvation Army			County:	San Diego
Investigator:	Vanessa A. Lee and Brian	D. Parke	r	State:	California
Do normal circumst	ances exist on the site?	Yes	□ No	Community ID:	NNG
Is the site significan	tly disturbed (Atypical Situation)?	☐ Yes	☑ No	Transect ID:	T 11, 80ft
Is the area a potential		☐ Yes	⋈ No	Plot ID:	DP 64A, PP 64A
(If needed, expla	in on reverse.)				

#### **VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator			
1. Raphanus sativus	Н	NI	9.					
2. Bromus diandrus	H	NI	10.					
3. Galium angustifolium	Н	FAC	11.					
4. Picris echioides	H	NI	12.					
5. Silybum marianum	Н	NI	13.					
6.			14.					
7.			15.					
8.			16.					
Percentage of Dominant Species that an								
Remarks: Hydrophytic vegetation criteria not satisfied.								

□ Recorded Data (Described in Remarks):	Wetland Hydrology Indicators:
☐ Stream, Lake, or Tide Gauge	Primary Indicators:
Aerial Photographs	☐ Inundated
☐ Other	Saturated in Upper 12 inches
☐ No Recorded Data Available	☐ Water Marks
	☐ Drift Lines
Field Observations:	Sediment Deposits
Depth of Surface Water: (in.)	☐ Drainage Patterns in Wetlands
Depth to free Water in Pit (in.)	Secondary Indicators (2 or more required):
Depth of Saturated Soil: (in.)	Oxidized Root Channels in Upper 12 Inches
•	☐ Water-Stained Leaves
	☐ Local Soil Survey Data
	☐ FAC-Neutral Test
	Other (Explain in Remarks)
Remarks: No hydrology indicators.	
<u> </u>	
<u> </u>	

#### SOILS Map Unit Name (Series and Phase): Cieneba rocky coarse Drainage Class: Excessively drained sandy loam Field Observations Confirm Mapped Type? □ No Taxonomy (Subgroup): Typic Xerorthents Profile Description: Mottle Matrix Color Mottle Colors Depth Texture, Concretions, Structure, etc. (Munsell Moist) (Abundance/Contrast) (Munsell Moist) (inches) Horizon 10 YR 2/2 Silt Loam 0-6 10YR 4/3 ____ Loam 6-14 Hydric Soil Indicators: Concretions ☐ Histosol High Organic Content in surface layer in Sandy Soils ☐ Histic Epipedon Organic Streaking in Sandy Soils Sulfidic Odor ☐ Listed on Local Hydric Soils List Aquic Moisture Regime ☐ Listed on National Hydric Soils List ☐ Reducing Conditions ☐ Other (Explain in Remarks) ☐ Gleyed or Low-Chroma Colors Remarks: No hydric soil indicators. WETLAND DETERMINATION X No

# WETLAND DETERMINATION Hydrophytic Vegetation Present? Yes □ No ☒ Wetland Hydrology Present? Yes □ No ☒ Is this Sampling Point Within a Wetland? Yes □ No ☒ Remarks: Non-native Grassland vegetation dominated by Radish. This is a potential wetland mitigation area adjacent to Southern Coast Live Oak Riparian Forest habitat.

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army			Date:	20 December 2001
Applicant/Owner:					San Diego
Investigator:	Vanessa A. Lee and Brian	n D. Parke	r	State:	California
Do normal circums	tances exist on the site?	Yes	□ No	Community ID:	NNG
Is the site significantly disturbed (Atypical Situation)?		☐ Yes	⊠ No	Transect ID:	T 11, 90ft
Is the area a potential Problem Area?		☐ Yes	⊠ No	Plot ID:	DP 65A, PP 65A
(If needed, expla					

#### **VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Raphanus sativus	Н	NI	9.		
2. Bromus diandrus	Н	NI	10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percentage of Dominant Species that are	OBL, FACW	V or FAC (exclu	nding FAC-). 0%		
Remarks: No hydrophytic veget	ation pre	esent.			
	-				

Recorded Data (Described in Remarks):	Wetland Hydrology Indicators:
☐ Stream, Lake, or Tide Gauge	Primary Indicators:
□ Aerial Photographs	☐ Inundated
☐ Other	☐ Saturated in Upper 12 inches
☐ No Recorded Data Available	☐ Water Marks
	☐ Drift Lines
Field Observations:	☐ Sediment Deposits
Depth of Surface Water: (in.)	☐ Drainage Patterns in Wetlands
Depth to free Water in Pit (in.)	Secondary Indicators (2 or more required):
Depth of Saturated Soil: (in.)	Oxidized Root Channels in Upper 12 Inches
• • • • • • • • • • • • • • • • • • • •	☐ Water-Stained Leaves
	☐ Local Soil Survey Data
	☐ FAC-Neutral Test
	Other (Explain in Remarks)
Remarks: No hydrology indicators.	
<u></u>	

SOILS								
Map Unit Name								
(Series and Phase): Cieneba rocky coarse								
sandy loam	-	D		ely drained				
-	Field Observations							
Taxonomy (Subgroup): Typic Xerorthents Confirm Mapped Type?   Yes   No								
				<del></del> -				
Profile Description:								
Depth	Matrix Color	Mottle Co	lors Mottle	i				
(inches) Horizon	(Munsell Moist)	(Munsell M		Texture, Concretions, Structure, etc.				
0-14	10YR 3/3			Loamy Sand				
0-14	101K 3/3							
		†						
	<del> </del>							
Hydric Soil Indicators:								
Histosol		□ Cc	oncretions					
Histic Epipedon			gh Organic Content in surface la	yer in Sandy Soils				
Sulfidic Odor			ganic Streaking in Sandy Soils					
N. Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Con	Di		sted on Local Hydric Soils List					
Aquic Moisture				ot .				
☐ Reducing Condi			sted on National Hydric Soils Li	St				
☐ Gleyed or Low-0	Chroma Colors	☐ Of	her (Explain in Remarks)					
Remarks: No hydric s	soil indicator	s.						
l l								
1								
WETLAND DETERM	MNATION							
Hydrophytic Vegetation Pr	resent? Yes	No 🛛						
1								
Wetland Hydrology Presen	nt? Yes 🗌	No 🛛						
Hydric Soils Present?	Yes	No 🛛	Is this Sampling Point Within a	a Wetland? Yes □ No ☒				
Trydric Bolls I lesellt:	100	, 110 23	The same same same same same same same sam					
Daniela Maria		otation d	ominated by Padich T	his is a potential wetland				
kemarks: Non-native	Grassiand Veg	thorn Coo						
mitigation area ac	ijacent to sou	chern coas	st Live Oak Riparian F	of the flat tag.				
<b> </b>								
!								
l								

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army			Date:	20 December 2001
Applicant/Owner:	Salvation Army			County:	San Diego
Investigator:	•			State:	California
_					2.2.0
Do normal circums	⊠ Yes	□ No	Community ID:	NNG	
Is the site significar	☐ Yes	⊠ No	Transect ID:	T 11, 100ft	
Is the area a potenti	☐ Yes	⊠ No	Plot ID:	DP 66A, PP 66A	
(If needed, expla					

#### **VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator	
1. Bromus diandrus	H	NI	9.			
2. Eriogonum fasciculatum	Н	NI	10.			
3. Amsinckia intermedia	Н	NI	11.			
4.			12.			
5.			13.			
6.			14.			
7.			15.			
8.			16.			
Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%						
Remarks: No hydrophytic veget	ation pre	esent.				

□ Recorded Data (Described in Remarks):	Wetland Hydrology Indicators:
☐ Stream, Lake, or Tide Gauge	Primary Indicators:
Aerial Photographs	☐ Inundated
☐ Other	☐ Saturated in Upper 12 inches
☐ No Recorded Data Available	☐ Water Marks
	☐ Drift Lines
Field Observations:	☐ Sediment Deposits
Depth of Surface Water: (in.)	☐ Drainage Patterns in Wetlands
Depth to free Water in Pit (in.)	Secondary Indicators (2 or more required):
Depth of Saturated Soil: (in.)	Oxidized Root Channels in Upper 12 Inches
•	☐ Water-Stained Leaves
	☐ Local Soil Survey Data
	☐ FAC-Neutral Test
	Other (Explain in Remarks)
Remarks: No hydrology indicators.	

#### **SOILS** Map Unit Name (Series and Phase): Cieneba rocky coarse Drainage Class: Excessively drained sandy loam Field Observations Taxonomy (Subgroup): Typic Xerorthents Confirm Mapped Type? Yes □ No Profile Description: Mottle Mottle Colors Matrix Color Depth Texture, Concretions, Structure, etc. (Abundance/Contrast) (Munsell Moist) (Munsell Moist) (inches) Horizon Loamy Sand 10YR 4/4 0-14 ---Hydric Soil Indicators: ☐ Concretions ☐ Histosol High Organic Content in surface layer in Sandy Soils ☐ Histic Epipedon Organic Streaking in Sandy Soils ☐ Sulfidic Odor Listed on Local Hydric Soils List ☐ Aquic Moisture Regime Listed on National Hydric Soils List ☐ Reducing Conditions ☐ Other (Explain in Remarks) ☐ Gleyed or Low-Chroma Colors Remarks: No hydric soil indicators. WETLAND DETERMINATION Hydrophytic Vegetation Present? X No $\boxtimes$ Wetland Hydrology Present? Yes No

Remarks: Non-native Grassland vegetation dominated by Radish. This is a potential wetland mitigation area adjacent to Southern Coast Live Oak Riparian Forest habitat.

Hydric Soils Present?

Yes

No

Is this Sampling Point Within a Wetland?

Yes

 $\boxtimes$ 

(1987 COE Wetlands Delineation Manual)

Project/Site: Applicant/Owner:	Salvation Army Salvation Army			Date: County:	20 December 2001 San Diego	
Investigator: Vanessa A. Lee and Brian D. Parker			State:	California		
Is the site significan	ances exist on the site?  tly disturbed (Atypical Situation)?	⊠ Yes □ Yes □ Yes	□ No ⊠ No ⊠ No	Community ID: Transect ID: Plot ID:	CLORF DP 67A, PP 67A	
Is the area a potential (If needed, explanation)			<u> </u>	1 lot 1D.		

#### **VEGETATION**

Stratum	Indicator	Dominant Plant Species	Stratum	Indicator		
Н	FACW	9.				
Н	NI	10.				
		11.				
		12.				
		13.				
		14.				
	•	15.				
		16.		-		
Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 50%						
	н	H FACW H NI	H FACW 9. H NI 10.  11. 12. 13. 14. 15. 16.	H FACW 9. H NI 10.  11. 12. 13. 14. 15.		

beneath break in canopy of Southern Coast Live Oak Riparian Forest.

<ul> <li>☐ Recorded Data (Described in Remarks):</li> <li>☐ Stream, Lake, or Tide Gauge</li> <li>☐ Aerial Photographs</li> <li>☐ Other</li> <li>☐ No Recorded Data Available</li> </ul>	Wetland Hydrology Indicators:  Primary Indicators:  ☐ Inundated ☐ Saturated in Upper 12 inches ☐ Water Marks ☐ Drift Lines
Field Observations:  Depth of Surface Water:  Depth to free Water in Pit  Depth of Saturated Soil:  (in.)	☐ Sediment Deposits ☐ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: No hydrology indicators.	

Map Unit Name							
(Series and Phase): Visalia sandy loam Drainage Class: Moderately well drained							
Field Observations  Taxonomy (Subgroup): Pachic Haploxerolls Confirm Mapped Type?   Yes  No							
Taxonomy (Subgroup): Pachic Haploxerolls Confirm Mapped Type?   Yes   No							
Profile Description: Depth (inches) Horizon 0-10	Matrix Colo (Munsell Moi 10YR 3/2	st) (Mun	tle Colo		Texture, Concretions, Structure, etc. Sandy Loam		
0-10	10111 3/2	'			*		
				·			
	<del></del>						
	<ul> <li>☐ Histosol</li> <li>☐ Histic Epipedon</li> <li>☐ Sulfidic Odor</li> <li>☐ Aquic Moisture Regime</li> <li>☐ Concretions</li> <li>☐ High Organic Content in surface layer in Sandy Soils</li> <li>☐ Organic Streaking in Sandy Soils</li> <li>☐ Listed on Local Hydric Soils List</li> </ul>						
☐ Reducing Condition ☐ Gleyed or Low-Ch		L		ed on National Hydric Soils Lis er (Explain in Remarks)	it		
Gleyed of Low-Ci	noma Colors	L		d (Explain in Remarks)			
Remarks: No hydric s	Remarks: No hydric soil indicators.						
WETLAND DETERM	INATION						
Hydrophytic Vegetation Pres	sent? Yes	☐ No			*		
Wetland Hydrology Present	? Yes	☐ No	$\boxtimes$				
Hydric Soils Present?	Yes	□ No		Is this Sampling Point Within a	Wetland? Yes  No  No		
Remarks: This small area is included in the mapping of Southern Coast Live Oak Riparian Forest, and does not qualify as a wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat.							
l							

(1987 COE Wetlands Delineation Manual)

Project/Site: Applicant/Owner: Investigator:	Salvation Army Salvation Army Vanessa A. Lee and Brian D. Parker			Date: County: State:	20 December 2001 San Diego California
		⊠ Yes □ Yes □ Yes	□ No ⊠ No ⊠ No	Community ID: Transect ID: Plot ID:	CLORF DP 68A, PP 68A

#### VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Quercus agrifolia	T	NI	9.		
2. Bromus diandrus	Н	NI	10.		
3. Platanus racemosa	T	FACW	11.		
4. Toxicodendron diversilobum	H	NI	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 25%

Remarks: Hydrophytic vegetation criteria not satisfied. However, per County direction this grouping of Western Sycamores is considered County RPO wetlands.

<ul> <li>☐ Recorded Data (Described in Remarks):</li> <li>☐ Stream, Lake, or Tide Gauge</li> <li>☐ Aerial Photographs</li> <li>☐ Other</li> <li>☐ No Recorded Data Available</li> </ul>	Wetland Hydrology Indicators:  Primary Indicators:  Inundated  Saturated in Upper 12 inches  Water Marks  Drift Lines
Field Observations:  Depth of Surface Water:  Depth to free Water in Pit  Depth of Saturated Soil:  (in.)	☐ Sediment Deposits ☐ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: No hydrology indicators.	

#### SOILS Map Unit Name Drainage Class: Moderately well drained (Series and Phase): Visalia sandy loam Field Observations Taxonomy (Subgroup): Pachic Haploxerolls Confirm Mapped Type? ⊠ Yes □ No Profile Description: Mottle Colors Mottle Matrix Color Depth (Munsell Moist) (Abundance/Contrast) Texture, Concretions, Structure, etc. (Munsell Moist) (inches) Horizon Sandy Loam 10YR 3/2 0-10 Hydric Soil Indicators: ☐ Concretions ☐ Histosol ☐ Histic Epipedon High Organic Content in surface layer in Sandy Soils Organic Streaking in Sandy Soils ☐ Sulfidic Odor ☐ Aquic Moisture Regime Listed on Local Hydric Soils List Listed on National Hydric Soils List ☐ Reducing Conditions Other (Explain in Remarks) ☐ Gleyed or Low-Chroma Colors Test pit information Remarks: Soil test pit not performed due to abundance of Poison Oak. comes from immediately adjacent area. WETLAND DETERMINATION $\boxtimes$ Hydrophytic Vegetation Present? No

Remarks: This area of Southern Coast Live Oak Riparian Forest does not qualify as an ACOE wetland. However, the area is jurisdictional under the County and CDFG as Adjacent Riparian habitat.

Is this Sampling Point Within a Wetland?

Wetland Hydrology Present?

Hydric Soils Present?

Yes

Yes

No

No

 $\boxtimes$ 

 $\boxtimes$ 

□ No

Yes

 $\boxtimes$ 

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army	Date:	20 December	2001			
Applicant/Owner: Salvation Army				County:	San Diego		
Investigator:	Vanessa A. Lee and Brian	State:	California				
	tances exist on the site?		□ No	Community ID:	NNG		
Is the site significar	ntly disturbed (Atypical Situation)?	☐ Yes	⊠ No	Transect ID:			
Is the area a potenti	al Problem Area?	☐ Yes	⊠ No	Plot ID:	DP 69A, PP	69A	
(If needed, expla							

#### **VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator			
1. Raphanus sativus	Н	NI	9.					
2.			10.					
3.			11.					
			12.					
4. 5. 6.			13.					
6.			14.					
7.			15.					
8.			16.					
Percentage of Dominant Species that are	OBL, FACV	or FAC (exclu	iding FAC-). 0%					
Remarks: No hydrophytic vegetation present.								

□ Recorded Data (Described in Remarks):	Wetland Hydrology Indicators:					
☐ Stream, Lake, or Tide Gauge	Primary Indicators:					
Aerial Photographs	☐ Inundated					
☐ Other	☐ Saturated in Upper 12 inches					
☐ No Recorded Data Available	☐ Water Marks					
	☐ Drift Lines					
Field Observations:	☐ Sediment Deposits					
Depth of Surface Water: (in.)	☐ Drainage Patterns in Wetlands					
Depth to free Water in Pit (in.)	Secondary Indicators (2 or more required):					
Depth of Saturated Soil: (in.)	Oxidized Root Channels in Upper 12 Inches					
•	☐ Water-Stained Leaves					
	☐ Local Soil Survey Data					
	☐ FAC-Neutral Test					
	Other (Explain in Remarks)					
Remarks: No hydrology indicators.						

#### SOILS Map Unit Name (Series and Phase): Cieneba rocky coarse Drainage Class: Excessively drained sandy loam Field Observations Taxonomy (Subgroup): Typic Xerorthents Confirm Mapped Type? □ No Profile Description: Mottle Matrix Color Mottle Colors Depth Texture, Concretions, Structure, etc. (Munsell Moist) (Abundance/Contrast) (Munsell Moist) (inches) Horizon Sandy Loam 10 YR 3/2 0-14 Hydric Soil Indicators: ☐ Histosol Concretions High Organic Content in surface layer in Sandy Soils ☐ Histic Epipedon Organic Streaking in Sandy Soils Sulfidic Odor Listed on Local Hydric Soils List Aquic Moisture Regime ☐ Listed on National Hydric Soils List ☐ Reducing Conditions ☐ Other (Explain in Remarks) ☐ Gleyed or Low-Chroma Colors Remarks: No hydric soil indicators.

#### WETLAND DETERMINATION $\boxtimes$ Hydrophytic Vegetation Present? No $\boxtimes$ Wetland Hydrology Present? Yes No $\bowtie$ $\boxtimes$ Is this Sampling Point Within a Wetland? No No Hydric Soils Present? Yes Remarks: Non-native Grassland vegetation dominated by Radish. This is a potential wetland mitigation area adjacent to Southern Coast Live Oak Riparian Forest habitat.

(1987 COE Wetlands Delineation Manual)

Project/Site: Applicant/Owner: Investigator:	Salvation Army Salvation Army Vanessa A. Lee and Brian	Date: County: State:	20 December 2001 San Diego California		
_		⊠ Yes □ Yes □ Yes	□ No ⊠ No ⊠ No	Community ID: Transect ID: Plot ID:	DIST T12 , Oft DP 70A, PP 70A

#### **VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Silybum marianum	H	NI	9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percentage of Dominant Species that are	OBL, FACV	or FAC (exclu	iding FAC-). 0%		
Remarks: No hydrophytic veget	ation pre	esent.			
	-				
'				_	

<ul> <li>☐ Recorded Data (Described in Remarks):</li> <li>☐ Stream, Lake, or Tide Gauge</li> <li>☐ Aerial Photographs</li> <li>☐ Other</li> <li>☐ No Recorded Data Available</li> </ul>	Wetland Hydrology Indicators:  Primary Indicators:  Inundated  Saturated in Upper 12 inches  Water Marks  Drift Lines
Field Observations:  Depth of Surface Water:  Depth to free Water in Pit  Depth of Saturated Soil:  (in.)  (in.)	☐ Sediment Deposits ☐ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: No hydrology indicators.	

Map Unit Name (Series and Phase): Cieneba rocky coarse sandy loam  Drainage Class: Excessively drained Field Observations  Taxonomy (Subgroup): Typic Xerorthents  Confirm Mapped Type?   Yes □ No  Profile Description: Depth (inches) Horizon (Munsell Moist) (Munsell Moist) (Abundance/Contrast)  O-12 7.5YR 3/2 Loam  Loam									
Hydric Soil Indicators:  Histosol Histic Epipedon Sulfidic Odor Organic Streaking in Sandy Soils Aquic Moisture Regime Ested on Local Hydric Soils List Reducing Conditions Gleyed or Low-Chroma Colors  Remarks: No hydric soil indicators.									
WETLAND:	DETERMIN	NATION							
Hydrophytic Ve				10 🛛					
Wetland Hydro	logy Present?	Yes		10 🛛					
Hydric Soils Pr	esent?	Yes		√o ⊠	Is this	s Sampling Point Within	a Wetland?	Yes 🗌 No 🖂	
Remarks: Non wetland mit	Remarks: Non-native Grassland vegetation dominated by Milk Thistle. This is a potential wetland mitigation area adjacent to Southern Coast Live Oak Riparian Forest habitat.								

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army	Date:	26 December 2001		
Applicant/Owner:	Salvation Army	County:	San Diego		
Investigator:					California
Do normal circums	tances exist on the site?	⊠ Yes	☐ No	Community ID:	NNG
Is the site significan	ntly disturbed (Atypical Situation)?	☐ Yes	⊠ No	Transect ID:	T 12, 10ft
Is the area a potenti	☐ Yes	☑ No	Plot ID:	DP 71A, PP 71A	
(If needed, expla					

#### **VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Silybum marianum	Н	NI	9.		L
2.			10.		·
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percentage of Dominant Species that are	OBL, FACV	V or FAC (exclu	iding FAC-). 0%		
Remarks: No hydrophytic veget	ation pre	esent.			

<ul> <li>☐ Recorded Data (Described in Remarks):</li> <li>☐ Stream, Lake, or Tide Gauge</li> <li>☐ Aerial Photographs</li> <li>☐ Other</li> <li>☐ No Recorded Data Available</li> </ul>	Wetland Hydrology Indicators:  Primary Indicators:  Inundated  Saturated in Upper 12 inches  Water Marks  Drift Lines
Field Observations:  Depth of Surface Water:  Depth to free Water in Pit  Depth of Saturated Soil:  Depth of Saturated Soil:  (in.)	☐ Sediment Deposits ☐ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: No hydrology indicators.	

#### SOILS Map Unit Name (Series and Phase): Cieneba rocky coarse Drainage Class: Excessively drained sandy loam **Field Observations** Confirm Mapped Type? ⊠ Yes □ No Taxonomy (Subgroup): Typic Xerorthents Profile Description: Mottle Colors Mottle Matrix Color Depth (Munsell Moist) Texture, Concretions, Structure, etc. (Abundance/Contrast) (Munsell Moist) (inches) Horizon Loam 7.5YR 3/2 0-14 Hydric Soil Indicators: ☐ Concretions ☐ Histosol High Organic Content in surface layer in Sandy Soils ☐ Histic Epipedon Organic Streaking in Sandy Soils ☐ Sulfidic Odor ☐ Aquic Moisture Regime Listed on Local Hydric Soils List ☐ Listed on National Hydric Soils List ☐ Reducing Conditions ☐ Other (Explain in Remarks) ☐ Gleyed or Low-Chroma Colors Remarks: No hydric soil indicators.

#### WETLAND DETERMINATION Hydrophytic Vegetation Present? X No Wetland Hydrology Present? No $\boxtimes$ Yes $\boxtimes$ $\boxtimes$ Is this Sampling Point Within a Wetland? Hydric Soils Present? Yes No Remarks: Non-native Grassland vegetation dominated by Milk Thistle. This is a potential wetland mitigation area adjacent to Southern Coast Live Oak Riparian Forest habitat.

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army	Date:	26 December 2001		
Applicant/Owner:	Salvation Army	County:	San Diego		
Investigator:	Vanessa A. Lee and Kara	State:	California		
Do normal circumst	tances exist on the site?	⊠ Yes	□ No	Community ID:	NNG
Is the site significan	tly disturbed (Atypical Situation)?	☐ Yes	⊠ No	Transect ID:	T 12, 20ft
Is the area a potenti		☐ Yes	⊠ No	Plot ID:	DP 72A, PP 72A
(If needed, expla	in on reverse.)				

#### **VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator			
1. Silybum marianum	Н	NI	9.					
2.			10.					
3.			11.					
4.			12.					
5.			13.					
6.			14.					
7.			15.					
8.			16.					
Percentage of Dominant Species that are	OBL, FACV	V or FAC (excl	ıding FAC-). 0%					
Remarks: No hydrophytic vegetation present.								

Recorded Data (Described in Remarks):	Wetland Hydrology Indicators:
☐ Stream, Lake, or Tide Gauge	Primary Indicators:
□ Aerial Photographs	☐ Inundated
☐ Other	☐ Saturated in Upper 12 inches
☐ No Recorded Data Available	☐ Water Marks
	☐ Drift Lines
Field Observations:	☐ Sediment Deposits
Depth of Surface Water: (in.)	☐ Drainage Patterns in Wetlands
Depth to free Water in Pit (in.)	Secondary Indicators (2 or more required):
Depth of Saturated Soil: (in.)	Oxidized Root Channels in Upper 12 Inches
•	☐ Water-Stained Leaves
	☐ Local Soil Survey Data
	☐ FAC-Neutral Test
	☐ Other (Explain in Remarks)
Remarks: No hydrology indicators.	
<u> </u>	

#### SOILS Map Unit Name (Series and Phase): Cieneba rocky coarse Drainage Class: Excessively drained sandy loam Field Observations Confirm Mapped Type? □ No Taxonomy (Subgroup): Typic Xerorthents Profile Description: Mottle Matrix Color Mottle Colors Depth Texture, Concretions, Structure, etc. (Abundance/Contrast) (Munsell Moist) (Munsell Moist) (inches) Horizon Loam 0-14 7.5YR 3/2 Hydric Soil Indicators: ☐ Concretions ☐ Histosol ☐ High Organic Content in surface layer in Sandy Soils ☐ Histic Epipedon Organic Streaking in Sandy Soils ☐ Sulfidic Odor ☐ Listed on Local Hydric Soils List ☐ Aquic Moisture Regime ☐ Listed on National Hydric Soils List ☐ Reducing Conditions ☐ Other (Explain in Remarks) ☐ Gleyed or Low-Chroma Colors Remarks: No hydric soil indicators.

#### WETLAND DETERMINATION Hydrophytic Vegetation Present? $\square$ No $\boxtimes$ Wetland Hydrology Present? No Yes Is this Sampling Point Within a Wetland? $\boxtimes$ $\boxtimes$ Yes No Hydric Soils Present? Yes Remarks: Non-native Grassland vegetation dominated by Milk Thistle. This is a potential wetland mitigation area adjacent to Southern Coast Live Oak Riparian Forest habitat.

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army			Date:	26 December 2001
Applicant/Owner:	Salvation Army			County:	San Diego
Investigator:	Vanessa A. Lee and Kara	A. Altvat	er	State:	California
Do normal circumst	tances exist on the site?	⊠ Yes	☐ No	Community ID:	NNG
Is the site significan	ntly disturbed (Atypical Situation)?	☐ Yes	⊠ No	Transect ID:	T 12, 30ft
Is the area a potential		☐ Yes	⊠ No	Plot ID:	DP 73A, PP 73A
(If needed, expla					

#### **VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
l. Silybum marianum	H	NI	9.		
2. Picris echioides	H	FAC	10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 50%					
Remarks: Hydrophytic vegetati	on criter	ria not sat	isfied.		

<ul> <li>☐ Recorded Data (Described in Remarks):</li> <li>☐ Stream, Lake, or Tide Gauge</li> <li>☐ Aerial Photographs</li> <li>☐ Other</li> <li>☐ No Recorded Data Available</li> </ul>	Wetland Hydrology Indicators:  Primary Indicators:  Inundated  Saturated in Upper 12 inches  Water Marks  Drift Lines
Field Observations:  Depth of Surface Water: (in.)  Depth to free Water in Pit (in.)  Depth of Saturated Soil: (in.)	☐ Sediment Deposits ☐ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: No hydrology indicators.	

Map Unit Name         (Series and Phase): Cieneba rocky coarse         sandy loam       Drainage Class: Excessively drained         Field Observations         Taxonomy (Subgroup): Typic Xerorthents       Confirm Mapped Type?  Yes □ No										
Profile Descript Depth (inches) 0-14	tion:  Horizon	Matrix Co (Munsell M	loist)		ttle Co			lottle ace/Contras	t)	Texture, Concretions, Structure, etc.
0 14		7.311								
Hydric Soil Ind	icators:									
☐ Histo ☐ Histic ☐ Sulfic ☐ Aqui ☐ Redu ☐ Gleye	Hydric Soil Indicators:  Histosol Histic Epipedon Sulfidic Odor Organic Streaking in Sandy Soils Aquic Moisture Regime Reducing Conditions Gleyed or Low-Chroma Colors  Concretions High Organic Content in surface layer in Sandy Soils Organic Streaking in Sandy Soils Listed on Local Hydric Soils List Listed on National Hydric Soils List Other (Explain in Remarks)  Remarks: No hydric soil indicators.									
WETLAND	WETLAND DETERMINATION									
Hydrophytic V	egetation Pre	sent? Yes		No	$\boxtimes$				-	
Wetland Hydro	•			No			a v	n		va 10 v. – 🗀 v. M
1	Hydric Soils Present? Yes No Is this Sampling Point Within a Wetland? Yes No Remarks: Non-native Grassland vegetation dominated by Milk Thistle. This is a potential									
Remarks: Non wetland mi This trans	tigation	area adja	acent	to	South	nern (	Coast Li	ve Oak 1	Ripa	e. This is a potential arian Forest habitat.

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army	Date: County: State:	26 December 2001		
Applicant/Owner:	Salvation Army		San Diego		
Investigator:	Vanessa A. Lee and Kara		California		
		⊠ Yes □ Yes □ Yes	□ No ⊠ No ⊠ No	Community ID: Transect ID: Plot ID:	CLORF T 13, Oft DP 74A, PP 74A

#### VEGETATION

<del>                                     </del>				Indicator
H	NI	9.		
T	FACW	10.		
T	NI	11.		
Н	NI	12.		
Н	NI	13.		
		14.		
		15.		L
		16.		
on criter	ia not sat	tisfied. Only one Sycamo	ore tree pr	esent.
	T H H OBL, FACW	T NI H NI H NI OBL, FACW or FAC (excl	T NI 11.  H NI 12.  H NI 13.  14.  15.  OBL, FACW or FAC (excluding FAC-). 20%	T NI 11.  H NI 12.  H NI 13.  14.  15.  16.  OBL, FACW or FAC (excluding FAC-). 20%

<ul> <li>☐ Recorded Data (Described in Remarks):</li> <li>☐ Stream, Lake, or Tide Gauge</li> <li>☐ Aerial Photographs</li> <li>☐ Other</li> <li>☐ No Recorded Data Available</li> </ul>	Wetland Hydrology Indicators:  Primary Indicators:  Inundated  Saturated in Upper 12 inches  Water Marks  Drift Lines
Field Observations:  Depth of Surface Water:  Depth to free Water in Pit  Depth of Saturated Soil:  (in.)  (in.)	☐ Sediment Deposits ☐ Drainage Patterns in Wetlands  Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: No hydrology indicators.	

SOILS								
Map Unit Name	~ .							
(Series and Phase): (sandy loam	Cieneba ro	cky coars	se D	rainage	Class: Excessive	ly drained		
Sallay 10am					servations			
Taxonomy (Subgrou	Taxonomy (Subgroup): Typic Xerorthents Confirm Mapped Type?   Yes   No							
Profile Description: Depth Matrix Color Mottle Colors Mottle								
Depth (inches) Ho		nsell Moist)	(Munsell N		(Abundance/Contrast)	Texture, Concretions, Struc	cture, etc.	
		5YR 3/2		120100)		Loam		
Hydric Soil Indicato	l rs:					1		
Histosol	10.		□ C	oncretic	ons		·	
☐ Histic Epi	pedon				anic Content in surface lay	yer in Sandy Soils		
☐ Sulfidic O					Streaking in Sandy Soils			
	isture Regime				Local Hydric Soils List National Hydric Soils Lis	t	·	
	Conditions Low-Chroma	Colors			(plain in Remarks)	ı.		
dicycu or	Low Cinoma	Colors	<b>–</b> °					
Remarks: No hydi	ric soil i	ndicators	3 <b>.</b>					
_								
		CION						
WETLAND DE			<u> </u>					
Hydrophytic Vegeta	tion Present?	Yes 📙	No 🛚					
Wetland Hydrology	Present?	Yes 🔲	No 🛛					
Wenging Hydrology	i iéscut:	103	110					
Hydric Soils Present	t?	Yes 🔲	No 🛛	Is this	s Sampling Point Within a	Wetland? Yes No		
						<del></del>		
Remarks: This a:	Remarks: This area of Southern Coast Live Oak Riparian Forest does not qualify as an ACOE wetland or a County RPO wetland. However, the area is jurisdictional under CDFG as							
wetland or a (   Adjacent Ripa			. noweve	1, LII	e area is luiisuid	cronar ander opre a		
1								

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army			Date:	26 December 2001
Applicant/Owner:	Salvation Army	-		County:	San Diego
Investigator:	Vanessa A. Lee and Kara A. Altvater			State:	California
Do normal circums	tances exist on the site?		□ No	Community ID:	CLORF
Is the site significar	ntly disturbed (Atypical Situation)?	☐ Yes	✓ ⊠ No	Transect ID:	T 13, 10ft
Is the area a potenti	☐ Yes	⊠ No	Plot ID:	DP 75A, PP 75A	
(If needed, expla		-			

#### **VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator		
1. Silybum marianum	Н	NI	9.				
2. Platanus racemosa	T	FACW	10.				
3. Quercus agrifolia	T	NI	11.				
4. Raphanus sativus	H	NI	12.				
5.			13.				
6.			14.				
7.			15.				
8.			16.				
8. Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 25%  Remarks: Hydrophytic vegetation criteria not satisfied.							

<ul> <li>☐ Recorded Data (Described in Remarks):</li> <li>☐ Stream, Lake, or Tide Gauge</li> <li>☐ Aerial Photographs</li> <li>☐ Other</li> <li>☐ No Recorded Data Available</li> </ul>	Wetland Hydrology Indicators:  Primary Indicators:  Inundated  Saturated in Upper 12 inches  Water Marks  Drift Lines
Field Observations:  Depth of Surface Water:  Depth to free Water in Pit  Depth of Saturated Soil:  Output  Ou	☐ Sediment Deposits ☐ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: No hydrology indicators.	

SUILS										
Map Unit Name					-			j		
	(Series and Phase): Cieneba rocky coarse									
sandy loam	e, ciciicbe	~ 10011, 0		-	Drainage	e Class: Excessive	ly drained	ı		
Field Observations										
Taxonomy (Subgroup): Typic Xerorthents Confirm Mapped Type?   Yes   No										
1 axonomy (Sub)	group): Typ1	c xerortr	ients		Commin	Tyrapped Type: \(\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline	100 🗀 110			
Profile Descripti	Profile Description:									
Depth		Matrix Colo	or	Mottle	Colors	Mottle				
(inches)	Horizon	(Munsell Mo	ist)	(Munsel	l Moist)	(Abundance/Contrast)	Texture, Concretions, Stra	icture, etc.		
0-12		7.5YR 4/					loam			
0 12										
		<del></del>								
					·					
				*			·			
77 1 2 2 2 2 2										
Hydric Soil Indi				_	~ .					
☐ Histos	sol			닐	Concretio					
☐ Histic	Epipedon				High Org	ganic Content in surface lay	er in Sandy Soils			
	lic Odor			. 🗆	Organic S	Streaking in Sandy Soils				
	Moisture Reg	gime				Local Hydric Soils List				
						National Hydric Soils Lis	<b>t</b> .			
	cing Condition			. 片			L			
☐ Gleye	d or Low-Chr	roma Colors		Ш	Otner (E	xplain in Remarks)				
								, '		
Remarks: No	hydric so	oil indic	ators	3.						
Temmino. To	117 411 10 10									
								•		
		<u> </u>								
							•			
WETLAND 1	DETERMI	NATION								
			=		7	· · · · · · · · · · · · · · · · · · ·				
Hydrophytic Ve	getation Prese	ent? Yes	Ш	No 2	3					
	_									
Wetland Hydrol	logy Present?	Yes		No D	₫					
Tronand Trydroi	logy I tosont:	1 03	ш	, <u>k</u>						
1	40	37		NI.	7 7 41-1	a Campling Daint Within a	Wetland? Yes N	o 🛛		
TT 1: 0 11 5	esent7	Yes		No D	Is thi	s Sampling Point Within a	Wetland? Yes  N	v (2)		
Hydric Soils Pre	obolic.									
•										
•		n edge of	Coas	st Liv	e Oak R	Riparian Forest car	nopy. This area do	es not		
Remarks: Data	a point or	n edge of	Coas	st Liv	e Oak F ea is j	Riparian Forest car urisdictional unde	nopy. This area doer CDFG as Adjacent	es not		
Remarks: Data qualify as	a point or a wetland	n edge of	Coas er, t	st Liv	e Oak F ea is j	Riparian Forest car urisdictional unde	nopy. This area do er CDFG as Adjacent	es not		
Remarks: Data	a point or a wetland	n edge of	Coas er, t	st Liv	e Oak F ea is j	Riparian Forest car urisdictional unde	nopy. This area do er CDFG as Adjacent	es not		
Remarks: Data qualify as	a point or a wetland	n edge of	Coas er, t	st Liv	e Oak F ea is j	Riparian Forest car urisdictional unde	nopy. This area do er CDFG as Adjacent	es not		
Remarks: Data qualify as	a point or a wetland	n edge of	Coas er, t	st Liv	e Oak Fea is j	Riparian Forest car urisdictional unde	nopy. This area do er CDFG as Adjacent	es not		

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army	Date: County: State:	26 December 2001		
Applicant/Owner:	Salvation Army		San Diego		
Investigator:	Vanessa A. Lee and Kara		California		
		⊠ Yes □ Yes □ Yes	□ No ⊠ No ⊠ No	Community ID: Transect ID: Plot ID:	NNG T 13, 20ft DP 76A, PP 76A

#### **VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator					
1. Silybum marianum	Н	NI	9.							
2. Raphanus sativus	Н	NI	10.							
3.			11.							
4.			12.							
5.			13.							
6.			14.							
7.			15.							
8.			16.	•						
Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%										
Remarks: No hydrophytic vegetation present.										

<ul> <li>☐ Recorded Data (Described in Remarks):</li> <li>☐ Stream, Lake, or Tide Gauge</li> <li>☐ Aerial Photographs</li> <li>☐ Other</li> <li>☐ No Recorded Data Available</li> </ul>	Wetland Hydrology Indicators:  Primary Indicators:  Inundated  Saturated in Upper 12 inches  Water Marks  Drift Lines
Field Observations:  Depth of Surface Water: (in.)  Depth to free Water in Pit (in.)  Depth of Saturated Soil: (in.)	☐ Sediment Deposits ☐ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: No hydrology indicators.	

Map Unit Name (Series and Phase): Ciene	ha rocky c	narde	2						
sandy loam	Da locky C	Jarse	-	Drain	age Class: Excessive	ely drained			
_					Observations				
Taxonomy (Subgroup): Ty	Taxonomy (Subgroup): Typic Xerorthents Confirm Mapped Type?								
Profile Description:	Profile Description:								
Depth	Matrix Colo	or	Mott	le Colors	Mottle				
(inches) Horizon	(Munsell Mo	ist)	(Muns	sell Mois	(Abundance/Contrast)	Texture, Concretions, Structure, etc.			
0-14	7.5YR 3/	2				Loam			
				<del></del>					
			·						
Hydric Soil Indicators:				<b>1</b> ~					
☐ Histosol				Concre	etions Organic Content in surface la	ver in Sandy Soils			
☐ Histic Epipedon☐ Sulfidic Odor			F		ic Streaking in Sandy Soils	yei in Sandy Sons			
Aquic Moisture I	Regime				on Local Hydric Soils List				
☐ Reducing Condit	ions			Listed	on National Hydric Soils Li	st			
☐ Gleyed or Low-C	Chroma Colors			Other	(Explain in Remarks)				
D 1 27 1 1 1	. 13 1 31								
Remarks: No hydric s	oil indica	cors.							
					<u></u>				
WETLAND DETERM	IINATION			<u> </u>					
Hydrophytic Vegetation Pr	esent? Yes		No						
W-41 1 Hduala Duasan	49 Vaa		Nio						
Wetland Hydrology Presen	t? Yes	Ш	No						
Hydric Soils Present?	Yes		No	⊠ Is	his Sampling Point Within a	ı Wetland? Yes ☐ No ☒			
Remarks: Non-native	Grassland	veget	atio	n domi	nated by Radish and	Milk Thistle. This is a			
potential wetland habitat.	mitigation	area	aaj	acent	to southern coast L	ive Oak Riparian Forest			
						,			
	· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·		A			

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army	Date: County: State:	26 December 2001		
Applicant/Owner:	Salvation Army		San Diego		
Investigator:	Vanessa A. Lee and Kara		California		
18		⊠ Yes □ Yes □ Yes	□ No ⊠ No ⊠ No	Community ID: Transect ID: Plot ID:	CLORF T 13, 30ft DP 77A, PP 77A

#### **VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Silybum marianum	H	NI	9.		
2. Raphanus sativus	H	NI	10.		
3. Quercus agrifolia	T	NI	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percentage of Dominant Species that a	are OBL, FACW	or FAC (excl	uding FAC-). 0%	-	

Remarks: Non-native Grassland vegetation under oak canopy. No hydrophytic vegetation present.

Recorded Data (Described in Remarks):	Wetland Hydrology Indicators:
☐ Stream, Lake, or Tide Gauge	Primary Indicators:
☐ Aerial Photographs	☐ Inundated
☐ Other	☐ Saturated in Upper 12 inches
☐ No Recorded Data Available	☐ Water Marks
	☐ Drift Lines
Field Observations:	☐ Sediment Deposits
Depth of Surface Water: (in.)	☐ Drainage Patterns in Wetlands
Depth to free Water in Pit (in.)	Secondary Indicators (2 or more required):
Depth of Saturated Soil: (in.)	Oxidized Root Channels in Upper 12 Inches
	☐ Water-Stained Leaves
	☐ Local Soil Survey Data
	☐ FAC-Neutral Test
	Other (Explain in Remarks)
Remarks: No hydrology indicators.	

~ 4.22									
Map Unit Name									
(Series and Phase): Cieneba rocky coarse									
sandy loam					e Class: Excessive	ly drained			
				_	bservations				
Taxonomy (Subgroup):	Tamic Yer	corthent	c			Yes □ No			
Taxonomy (Subgroup).	Typic Ker	OI CIICIIC		Commi	i i i i i i i i i i i i i i i i i i i	100			
_ ~ ~									
Profile Description:		~ .		<u> </u>	3.6.11				
Depth		x Color		e Colors	Mottle				
(inches) Horize		ell Moist)	(Munse	ell Moist)	(Abundance/Contrast)	Texture, Concretions, Structure, etc.			
0-14	7.5Y	R 3/2	_			Loam			
_									
Hydric Soil Indicators:									
☐ Histosol			П	Concreti	ons				
☐ Histic Epiped	lon		∺		ganic Content in surface lay	ver in Sandy Soils			
			$\exists$			yei in Sandy Sons			
☐ Sulfidic Odoi			님		Streaking in Sandy Soils				
Aquic Moistu			닏		Local Hydric Soils List				
☐ Reducing Co	nditions				n National Hydric Soils Lis	t			
☐ Gleyed or Lo	w-Chroma Co	olors		Other (E	xplain in Remarks)				
1				`	•				
Remarks: No hydri	c goil in	dicator							
Remarks. No 11yari	C DOIL III	arcacor.	٠.						
<u> </u>									
WETLAND DETE	RMINATIO	ON							
Hydrophytic Vegetation	n Present?	Yes 📙	No	$\boxtimes$					
Wetland Hydrology Pre	esent?	Yes $\square$	No	$\boxtimes \mid$					
January and logy 11				_					
Uvidria Caila Drasanto	•	voc 🗆	No T	Is thi	s Sampling Point Within a	Wetland? Yes $\square$ No $\boxtimes$			
Hydric Soils Present?		Yes 📙	No [		a pampung rome wimin a	Welland: 169 [] 140 []			
					<del></del>				
Remarks: This area	a of Soutl	hern Coa	ast Liv	re Oak I	Riparian Forest doe	es not qualify as a			
wetland. Howeve	er, the ar	rea is j	urisdi	ctional	. under CDFG as Adj	acent Riparian habitat.			
l									
11									
IL									

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army	Date:	26 December 2001		
Applicant/Owner:	Salvation Army	County:	San Diego		
Investigator:	Vanessa A. Lee and Kara	State:	California		
D 1 /	1 2 0	<b>53.</b> V		Community ID:	CLORF
	tances exist on the site?	⊠ Yes	□ No	Community ID:	
Is the site significar	ntly disturbed (Atypical Situation)?	☐ Yes	🖾 No	Transect ID:	T 13, 40ft
Is the area a potenti	☐ Yes	⊠ No	Plot ID:	DP 78A, PP 78A	
(If needed, expla	in on reverse.)				

#### **VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator		
1. Silybum marianum	H	NI	9.				
2. Raphanus sativus	H	NI	10.				
3. Quercus agrifolia	T	NI	11.				
4.			12.				
5.			13.				
6.			14.				
7.			15.				
8.		·	16.				
Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%  Remarks: Non-native Grassland vegetation under oak canopy. No hydrophytic vegetation present.							

<ul> <li>☐ Recorded Data (Described in Remarks):</li> <li>☐ Stream, Lake, or Tide Gauge</li> <li>☐ Aerial Photographs</li> <li>☐ Other</li> <li>☐ No Recorded Data Available</li> </ul>	Wetland Hydrology Indicators:  Primary Indicators:  Inundated  Saturated in Upper 12 inches  Water Marks  Drift Lines
Field Observations:  Depth of Surface Water: (in.)  Depth to free Water in Pit (in.)  Depth of Saturated Soil: (in.)	☐ Sediment Deposits ☐ Drainage Patterns in Wetlands  Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: No hydrology indicators.	

Map Unit Name (Series and Phase): Cieneba rocky coarse sandy loam Drainage Class: Excessively drained							
Field Observations							
Taxonomy (Subgroup): Typic Xerorthents							
Profile Description:  Depth Matrix Color Mottle Colors Mottle (inches) Horizon (Munsell Moist) (Munsell Moist) (Abundance/Contrast) Texture, Concretions, Structure, etc							
0-13 7.5YR 3/2 Loam							
13-16 10YR 4/3 Loam							
Hydric Soil Indicators:    Histosol							
WETLAND DETERMINATION							
Hydrophytic Vegetation Present? Yes No 🗵							
Wetland Hydrology Present? Yes 🔲 No 🗵							
Hydric Soils Present?  Yes  No  Is this Sampling Point Within a Wetland? Yes  No							
Remarks: This area of Southern Coast Live Oak Riparian Forest does not qualify as a wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat.							

(1987 COE Wetlands Delineation Manual)

Project/Site: Applicant/Owner:	A. Altvat	or	Date: County: State:	26 December 2001 San Diego California	
Investigator:  Do normal circums  Is the site significar			Community ID: Transect ID:	CLORF T 13, 50ft	
Is the area a potential Problem Area? (If needed, explain on reverse.)		☐ Yes	⊠ No	Plot ID:	DP 79A, PP 79A

#### **VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Silybum marianum	Н	NI	9.		
2. Raphanus sativus	H	NI	10.		
3. Quercus agrifolia	T	NI	11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%  Remarks: Non-pative Grassland vegetation under cak canony. No hydrophytic vegetation					

Remarks: Non-native Grassland vegetation under oak canopy. No hydrophytic vegetation present.

<ul> <li>☐ Recorded Data (Described in Remarks):</li> <li>☐ Stream, Lake, or Tide Gauge</li> <li>☐ Aerial Photographs</li> <li>☐ Other</li> <li>☐ No Recorded Data Available</li> </ul>	Wetland Hydrology Indicators:  Primary Indicators:  Inundated  Saturated in Upper 12 inches  Water Marks
Field Observations:  Depth of Surface Water:  Depth to free Water in Pit  Depth of Saturated Soil:  (in.)	☐ Drift Lines ☐ Sediment Deposits ☐ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: No hydrology indicators.	

#### SOILS Map Unit Name (Series and Phase): Cieneba rocky coarse Drainage Class: Excessively drained sandy loam Field Observations Confirm Mapped Type? □ No Taxonomy (Subgroup): Typic Xerorthents Profile Description: Mottle Matrix Color Mottle Colors Depth Texture, Concretions, Structure, etc. (Abundance/Contrast) (Munsell Moist) (Munsell Moist) (inches) Horizon Loam 0-13 7.5YR 3/2 ---Loam 13-16 10YR 4/3 Hydric Soil Indicators: ☐ Concretions ☐ Histosol High Organic Content in surface layer in Sandy Soils ☐ Histic Epipedon Organic Streaking in Sandy Soils ☐ Sulfidic Odor Listed on Local Hydric Soils List ☐ Aquic Moisture Regime ☐ Listed on National Hydric Soils List ☐ Reducing Conditions ☐ Other (Explain in Remarks) ☐ Gleyed or Low-Chroma Colors Remarks: No hydric soil indicators.

#### WETLAND DETERMINATION $\boxtimes$ Hydrophytic Vegetation Present? No $\boxtimes$ Wetland Hydrology Present? No Yes $\boxtimes$ Is this Sampling Point Within a Wetland? Yes Hydric Soils Present? Yes No Remarks: This area of Southern Coast Live Oak Riparian Forest does not qualify as a wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat.

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army	Date: County: State:	26 December 2001		
Applicant/Owner:	Salvation Army		San Diego		
Investigator:	Vanessa A. Lee and Kara		California		
1		⊠ Yes □ Yes □ Yes	□ No ⊠ No ⊠ No	Community ID: Transect ID: Plot ID:	CLORF T 13, 60ft DP 80A, PP 80A

### **VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Silybum marianum	H	NI	9.		
2. Raphanus sativus	H	NI	10.		
3. Quercus agrifolia	T	NI	11.		
4.			12.		
5.			13.		,
б.			14.		
7.			15		<u> </u>
8.			16.		
Percentage of Dominant Species that a	re OBL, FACV	or FAC (excl	uding FAC-). 0%		
Remarks: Non-native Grasslar	d vegetati	on under o	ak canopy. No hydrophyt	ic vegetat	ion

<ul> <li>□ Recorded Data (Described in Remarks):</li> <li>□ Stream, Lake, or Tide Gauge</li> <li>□ Aerial Photographs</li> <li>□ Other</li> <li>□ No Recorded Data Available</li> </ul>	Wetland Hydrology Indicators:  Primary Indicators:  Inundated  Saturated in Upper 12 inches  Water Marks  Drift Lines
Field Observations:  Depth of Surface Water:  Depth to free Water in Pit  Depth of Saturated Soil:  (in.)  (in.)	☐ Sediment Deposits ☐ Drainage Patterns in Wetlands  Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: No hydrology indicators.	

Map Unit Name (Series and Phas sandy loam		a rocky c	oars	е			Class:	Exces	sive	ly drained		
Taxonomy (Subgroup): Typic Xerorthents Confirm Mapped Type?   Yes   No												
Profile Descripti Depth (inches) 0-16	ofile Description:  Depth Matrix Color Mot (inches) Horizon (Munsell Moist) (Mun							Mottle nce/Cont	rast)	Texture, Con	ncretions, Loam	Structure, etc.
☐ Histos ☐ Histic ☐ Sulfid ☐ Aquic ☐ Reduc ☐ Gleye	☐ Sulfidic Odor ☐ Organic Streaking in Sandy Soils ☐ Aquic Moisture Regime ☐ Listed on Local Hydric Soils List ☐ Reducing Conditions ☐ Listed on National Hydric Soils List											
WETLAND			<u> </u>	No								
Hydrophytic Ve												
Wetland Hydrol  Hydric Soils Pre		Yes Yes		No No		Is this	Sampling	Point Wi	ithin a	Wetland? Ye	es 🗌	No 🛚
Remarks: This wetland. H Remaining t	However, t	he area	is j	urisc	dicti	onal	under	CDFG as	t does	es not qual acent Ripa	lify as arian h	abitat.

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army			Date:	26 December	2001
Applicant/Owner:	Salvation Army			County:	San Diego	
Investigator:	Vanessa A. Lee and Kara	State:	California			
14	tances exist on the site?	⊠ Yes	□No	Community ID:	CLORF	
Is the site significar	ntly disturbed (Atypical Situation)?	☐ Yes	⊠ No	Transect ID:		
Is the area a potenti	al Problem Area?	☐ Yes	⊠ No	Plot ID:	DP 81A, PP	81A
(If needed, expla	in on reverse.)					Ŷ

#### **VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Malosma laurina	S	NI	9.		
2. Amsinckia intermedia	Н	NI	10.		
3. Quercus agrifolia	T	NI	11.		
4. Bromus diandrus	Н	NI	12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percentage of Dominant Species that a Remarks: No hydrophytic vege Riparian Forest canopy.	•	<u> </u>		Coast Live	· Oak

<ul> <li>☐ Recorded Data (Described in Remarks):</li> <li>☐ Stream, Lake, or Tide Gauge</li> <li>☐ Aerial Photographs</li> <li>☐ Other</li> <li>☐ No Recorded Data Available</li> </ul>	Wetland Hydrology Indicators: Primary Indicators: ☐ Inundated ☐ Saturated in Upper 12 inches ☐ Water Marks ☐ Drift Lines
Field Observations:  Depth of Surface Water:  Depth to free Water in Pit  Depth of Saturated Soil:  (in.)	☐ Sediment Deposits ☐ Drainage Patterns in Wetlands  Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: No hydrology indicators.	

#### **SOILS** Map Unit Name (Series and Phase): Cieneba rocky coarse Drainage Class: Excessively drained sandy loam Field Observations Confirm Mapped Type? □ No Taxonomy (Subgroup): Typic Xerorthents Profile Description: Matrix Color Mottle Colors Mottle Depth Texture, Concretions, Structure, etc. (Abundance/Contrast) (Munsell Moist) (Munsell Moist) (inches) Horizon 7.5YR 2.5/2 Loam 0-10 Rock 10 Hydric Soil Indicators: ☐ Histosol ☐ Concretions High Organic Content in surface layer in Sandy Soils ☐ Histic Epipedon Organic Streaking in Sandy Soils ☐ Sulfidic Odor

Listed on Local Hydric Soils List

☐ Other (Explain in Remarks)

Presence of rock in pit does not indicate RPO non-soil.

Listed on National Hydric Soils List

Data point located on a hill with many boulders

#### WETLAND DETERMINATION

☐ Aquic Moisture Regime

☐ Gleyed or Low-Chroma Colors

Remarks: No hydric soil indicators.

☐ Reducing Conditions

Hydrophytic Vegetation Present?	Yes		No	$\boxtimes$	
Wetland Hydrology Present?	Yes		No	$\boxtimes$	
Hydric Soils Present?	Yes		No	$\boxtimes$	Is this Sampling Point Within a Wetland? Yes No 🖂
additional pictures (PP 1 taken approximately 10 fee consists of Quercus agrifue and Cercocarpus minutiflos	and 2 et down olia, rus.	) wernslop Rhus This	e ta e lo ovat area	ken i oking a, Am of S	st on slope near conference center development. Two n the vicinity showing upland habitat. Pictures were upslope towards data point. Downslope vegetation sinckia intermedia, Rhamnus ilicifolia, Bromus sp., outhern Coast Live Oak Riparian Forest does not urisdictional under CDFG as Adjacent Riparian habitat.

(1987 COE Wetlands Delineation Manual)

Project/Site: Applicant/Owner: Investigator:	Salvation Army Salvation Army Vanessa A. Lee and Kara	Date: County: State:	26 December 2001 San Diego California		
		⊠ Yes □ Yes □ Yes	□ No ⊠ No ⊠ No	Community ID: Transect ID: Plot ID:	CLORF DP 82A, PP 82A

#### VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Rhus ovata	S	NI	9.		1
2. Cercocarpus minutiflorus	S	NI	10.		<u> </u>
3. Quercus agrifolia*	T	NI	11.		
4. Lonicera subspicata	V	NI	12.		<u> </u>
5.			13.		<u> </u>
6.			14.		
7.			15.		
8.			16.		
Parcentage of Dominant Species that are	ODI EACY	Mor EAC (evol	uding EAC-) 08		

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%

Remarks: No hydrophytic vegetation present. *Most oaks in the area appear to be hybrids with Quercus berberidifolia.

<ul> <li>□ Recorded Data (Described in Remarks):</li> <li>□ Stream, Lake, or Tide Gauge</li> <li>□ Aerial Photographs</li> <li>□ Other</li> <li>□ No Recorded Data Available</li> </ul>	Wetland Hydrology Indicators:  Primary Indicators:  Inundated  Saturated in Upper 12 inches  Water Marks  Drift Lines
Field Observations:  Depth of Surface Water:  Depth to free Water in Pit  Depth of Saturated Soil:  (in.)  (in.)	☐ Sediment Deposits ☐ Drainage Patterns in Wetlands  Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: No hydrology indicators. Data poindrainage. Drainage may be located off-sit not in the proposed development area, a da	nt located approximately 15 feet outside bank of e, and since the area including the drainage is ta point was not performed.

SOILS										
Map Unit Name	` ' ,				~ :	~				
(Series and Phase	e): Vista	coarse sai	Jdy Tos		Drainage Field Ob	e Class: <u>Well dr</u> oservations	ained			_ '
Taxonomy (Subg	group): Typ	oic Xeroch	repts_				⊠ Yes □	] No		· · · · · ·
Profile Description	on:	No de de Colo		f 445 C	1 1	Ma441a				,
Depth (inches)	Horizon	Matrix Colo (Munsell Moi		Mottle Co Munsell N		Mottle (Abundance/Contrast	t) Texture	e Concret	ions, Structu	ire. etc.
0-14		7.5YR 4/			VIOISI	(Abditation College	1) 102100		oam	
			+		<u>.</u>					
				<del></del>						
				<del></del>		<u> </u>				
							<u> </u>			
☐ Sulfidio ☐ Aquic I ☐ Reduci	ol Epipedon ic Odor Moisture Re ing Conditio d or Low-Ch	ons nroma Colors	ators.	☐ Hi ☐ Oi ☐ Li ☐ Li	Organic Street on isted on	ons ganic Content in surface Streaking in Sandy Soil a Local Hydric Soils Lis a National Hydric Soils axplain in Remarks)	s st	dy Soils		
WETLAND D		· · · · · · · · · · · · · · · · · · ·	——————————————————————————————————————		<del></del>					
Hydrophytic Veg	getation Pres	sent? Yes	☐ No	o 🛛						
Wetland Hydrolo	ogy Present?	? Yes	□ No	o 🛛						
Hydric Soils Pres	sent?	Yes	☐ No	0 🛛	Is this	s Sampling Point Within	n a Wetland?	Yes	☐ No	$\boxtimes$
Remarks: This wetland. H	area of owever,	Southern the area i	Coast is juri	Live sdict	Oak R ional	iparian Forest o under CDFG as A	does not Adjacent 1	qualify Riparia	ras a ın habita	it.

(1987 COE Wetlands Delineation Manual)

Project/Site: Applicant/Owner: Investigator:	Salvation Army Salvation Army Vanessa A. Lee and Kara	Date: County: State:	26 December 2001 San Diego California		
		⊠ Yes □ Yes □ Yes	□ No ⊠ No ⊠ No	Community ID: Transect ID: Plot ID:	CLORF DP 83A, PP 83A

#### **VEGETATION**

Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
S	NI	9.		
S	NI	10.		·
S	NI	11.		
		12.		
		13.		
		14.		
		15.		
	,	16.		
	Stratum S S S	S NI S NI	S NI 9. S NI 10. S NI 11. 12. 13. 14.	S NI 9. S NI 10. S NI 11. 12. 13. 14.

Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%

Remarks: No hydrophytic vegetation present. Data point located at edge of Southern Coast Live Oak Riparian Forest canopy adjacent to chaparral vegetation. *Oak is hybrid with Quercus englemannii.

<ul> <li>□ Recorded Data (Described in Remarks):</li> <li>□ Stream, Lake, or Tide Gauge</li> <li>□ Aerial Photographs</li> <li>□ Other</li> <li>□ No Recorded Data Available</li> </ul>	Wetland Hydrology Indicators:  Primary Indicators:  Inundated  Saturated in Upper 12 inches  Water Marks  Drift Lines
Field Observations:  Depth of Surface Water:  Depth to free Water in Pit  Depth of Saturated Soil:  (in.)  (in.)	☐ Sediment Deposits ☐ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: No hydrology indicators.	

								<del></del>	
Map Unit Name	9						•		
(Series and Phase): Vista coarse sandy loam Drainage Class: Well drained									
Field Observations									
								Yes □ No	
Taxonomy (Sub	ogroup): Typ1	c xerocn	rept	s		mirm	Mapped Type?	Yes □ No	
Profile Descript	tion:								
Depth		Matrix Col	or	Mot	ttle Co	lors	Mottle		
	Hamiran	(Munsell Mo			isell M		(Abundance/Contrast)	Texture, Concretions, Structure, etc	
(inches)				(IVIUI		ioisi)	r\	Loam	
0-4		7.5YR 3,						Loam	
4-14		7.5YR 4,	/6					Loan	
	L L								
			ļ						
						-			
Hydric Soil Ind	liantora			1					
				г	٦ ^	, •			
☐ Histo				Ŀ		ncretio			
☐ Histic	c Epipedon			Ļ	Hiؤ ك	gh Org	anic Content in surface la	yer in Sandy Soils	
	dic Odor					ganic S	Streaking in Sandy Soils		
	c Moisture Re	aima		Ĩ			Local Hydric Soils List		
								-4	
	cing Condition			<u>1</u>			National Hydric Soils Li	St	
☐ Gley	ed or Low-Chi	roma Colors		L	ال Otl	her (Ex	plain in Remarks)		
Remarks: No	budaia a	oil india	12 t 0 Y						
Remarks. No	nyaric so	JII IIIGIC	acor	ъ.					
ii .									
il.									
<u></u>	·								
		•							
WETLAND	DETERMI	NATION							
					<b>E A</b> I				
Hydrophytic V	egetation Prese	ent? Yes	Ш	No	$\boxtimes$				
Wetland Hydro	logy Present?	Yes		No	$\boxtimes$				
" Chang Trydic	705) 11030III;	103	ш	1,0	<u>K-7</u>				
	.0		_	3.7	(2)	T	d i - b : (with	a Wetland? Yes □ No ☒	
Hydric Soils Pr	resent?	Yes	L	No	$\boxtimes$	is this	Sampling Point Within	a Wetland? Yes 🗌 No 🖂	
Remarks: Thi	s area of	Southern	Coa	st L	ive (	ak R	iparian Forest do	es not qualify as a	
wetland	However t	he area	is i	uriec	icti	onal	under CDFG as Ad	jacent Riparian habitat.	
Wectand.	TIOMENET, (	LIC area	- D	u = 10	A	JILUI		J	
H									
l									

(1987 COE Wetlands Delineation Manual)

Project/Site: Applicant/Owner: Investigator:	Salvation Army Salvation Army Vanessa A. Lee and Kara	A. Altvat	er	Date: County: State:	26 December 2001 San Diego California
		⊠ Yes ⊠ Yes □ Yes	□ No □ No ⊠ No	Community ID: Transect ID: Plot ID:	CLORF T 14, 0ft DP 84A, PP 84A

#### **VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
Quercus agrifolia	T	NI	9.		
2.			10.		
3.			11.		
			12.		
5.			13.		
5.			14.		
7.			15.		
3.	1,		16.		
Percentage of Dominant Species that ar	e OBL, FACW	or FAC (excl	uding FAC-). 0%		

Remarks: No vegetation in immediate area of data point, possibly due to road. Coast Live Oak overhanging data point.

<ul> <li>☐ Recorded Data (Described in Remarks):</li> <li>☐ Stream, Lake, or Tide Gauge</li> <li>☐ Aerial Photographs</li> <li>☐ Other</li> <li>☐ No Recorded Data Available</li> </ul>	Wetland Hydrology Indicators:  Primary Indicators:  Inundated  Saturated in Upper 12 inches  Water Marks  Drift Lines
Field Observations:  Depth of Surface Water:  Depth to free Water in Pit  Depth of Saturated Soil:  (in.)  (in.)	Sediment Deposits Drainage Patterns in Wetlands Secondary Indicators (2 or more required): Oxidized Root Channels in Upper 12 Inches Water-Stained Leaves Local Soil Survey Data FAC-Neutral Test Other (Explain in Remarks)
Remarks: No hydrology indicators.	

Map Unit Name		<u>.</u>								
(Series and Phase): Vista coarse sandy loam Drainage Class: Well drained										
	Field Observations									
Taxonomy (Subs	Taxonomy (Subgroup): Typic Xerochrepts Confirm Mapped Type? 🛛 Yes 🔲 No									
								Ï		
Profile Description	on:									
Depth		Matrix Col			le Colors	Mottle				
(inches)	Horizon	(Munsell Mo			ell Moist)	(Abundance/Contra		cretions, Structure, etc.		
0-5		10YR 3/	3				Sa	andy Loam		
		<del></del>								
		<del> </del>	-							
						<u> </u>				
Hydric Soil Indi				_						
☐ Histos	ol			ᆜ	Concreti			_		
	Epipedon					ganic Content in surfac		ils		
☐ Sulfidi	ic Odor					Streaking in Sandy So				
	Moisture Re					n Local Hydric Soils L				
	ing Condition					n National Hydric Soil	s List			
☐ Gleye	d or Low-Ch	roma Colors			Other (E	xplain in Remarks)				
Remarks: No h			ators	. Co	uld not	dig deeper than	n 5 inches mos	t likely due to		
soil compac	tion from	m road.								
						<u> </u>				
TENEDRY ABOUT T		NI A TOTAL								
WETLAND I	DETERMI	NATION						······································		
Hydrophytic Ve	getation Pres	ent? Yes		No		<del></del>				
Wetland Hydrol	ogy Present?	Yes		No						
Í	23									
Hydric Soils Pre	esent?	Yes		No	Is thi	s Sampling Point With	hin a Wetland? Ye	es 🗌 No 🛛		
Remarks: Data	a point i	mmediatel	y ad	jacen	t to mai	n access road.	Conditions m	ay have changed		
due to road	l disturba	ance. Ho	wever	c, the	access	road has been	in place for	a long while,		
and present	condition	ons are c	onsid	dered	to be "	normal." This	area of South	ern Coast Live		
and present conditions are considered to be "normal." This area of Southern Coast Live Oak Riparian Forest does not qualify as a wetland. However, the area is jurisdictional										
Oak Riparian Forest does not qualify as a wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat.										
under CDFG	as Adjace	does not ent Ripar	ian h	nabit	at.	land. However,	, the area is	Julisulctional		

(1987 COE Wetlands Delineation Manual)

Project/Site: Applicant/Owner: Investigator:	Salvation Army Salvation Army Vanessa A. Lee and Kara	Date: County: State:	26 December 2001 San Diego California		
		⊠ Yes ⊠ Yes □ Yes	□ No □ No ⊠ No	Community ID: Transect ID: Plot ID:	CLORF T 14, 5ft DP 85A, PP 85A

### **VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
. Quercus agrifolia	Т	NI	9.		
2			10.		
3.			11.		
			12.		
5.			13.		
5.			14.		
7.			15.		
3.			16.		
Percentage of Dominant Species that ar	e OBL, FACV	V or FAC (exclu	uding FAC-). 0%	,	
Remarks: No vegetation prese	nt in drai	nage. Coa	st Live Oak overhanging	data point	

<ul> <li>☐ Recorded Data (Described in Remarks):</li> <li>☐ Stream, Lake, or Tide Gauge</li> <li>☐ Aerial Photographs</li> <li>☐ Other</li> <li>☐ No Recorded Data Available</li> </ul>	Wetland Hydrology Indicators:  Primary Indicators:  Inundated  Saturated in Upper 12 inches  Water Marks  Drift Lines
Field Observations:  Depth of Surface Water:  Depth to free Water in Pit  Depth of Saturated Soil:  (in.)	☐ Sediment Deposits ☑ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: Hydrology indicated by 1-foot wide	drainage.

SOILS										
Map Unit Name (Series and Phase) Taxonomy (Subgr			•	Fie	eld Ob	Class: servations	<u> </u>	drai:		
Taxonomy (Buogi	тоцр). турто	nerocnico	202				- J F - ·	<del></del>		
Profile Description Depth (inches)		Matrix Color Munsell Moist		ottle Col			Mottle ance/Con	itrast)	Texture, Concretions, Structure, etc.	
0									662216	
				_						
		<del></del>	-							
Hydric Soil Indica										
Sulfidic Aquic M Reducii Gleyed Remarks: Coulc possible tha	☐ Histosol ☐ Concretions ☐ Histic Epipedon ☐ High Organic Content in surface layer in Sandy Soils ☐ Sulfidic Odor ☐ Organic Streaking in Sandy Soils ☐ Aquic Moisture Regime ☐ Listed on Local Hydric Soils List ☐ Reducing Conditions ☐ Listed on National Hydric Soils List ☐ Gleyed or Low-Chroma Colors ☐ Other (Explain in Remarks)  Remarks: Could not dig due to cobble. Cobble width is 1 foot within drainage. It is possible that sediment deposits between cobble satisfy hydric conditions; however, this cannot be determined. In this case, soils are considered to be a natural atypical situation, and the presence of hydric soils is assumed.									
WETLAND D	WETLAND DETERMINATION									
Hydrophytic Veg	etation Preser	t? Yes	No							
Wetland Hydrolo	gy Present?	Yes [	⊠ No							
Hydric Soils Pres	sent?	Yes [	⊠ No		Is this	Samplin	g Point W	Vithin a	Wetland? Yes No	
Remarks: This area of Southern Coast Live Oak Riparian Forest does not qualify as an ACOE wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat. The drainage is considered to be Non-wetland Waters of the U.S. (ACOE) and is also jurisdictional under the County and CDFG.										

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army			Date:	26 December 2001
Applicant/Owner:	Salvation Army	County:	San Diego		
Investigator:	Vanessa A. Lee and Kara	State:	California		
Do normal circums	tances exist on the site?	⊠ Yes	□ No	Community ID:	CLORF
Is the site significar	☐ Yes	☑ No	Transect ID:	T 14, 10ft	
Is the area a potenti	☐ Yes	⊠ No	Plot ID:	DP 86A, PP 86A	
(If needed, expla					

### **VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator		
. Quercus agrifolia	T	NI	9.				
. Rhamnus ilicifolia	S	NI	10.				
. Lolium temulentum	H	NI	11.				
•			12.				
•			13.				
•			14.				
•			15.				
•			16.				
Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%							
emarks: No hydrophytic veg	etation pr	esent.					

□ Recorded Data (Described in Remarks):	Wetland Hydrology Indicators:
☐ Stream, Lake, or Tide Gauge	Primary Indicators:
Aerial Photographs	☐ Inundated
☐ Other	☐ Saturated in Upper 12 inches
☐ No Recorded Data Available	☐ Water Marks
	☐ Drift Lines
Field Observations:	☐ Sediment Deposits
Depth of Surface Water: (in.)	☐ Drainage Patterns in Wetlands
Depth to free Water in Pit (in.)	Secondary Indicators (2 or more required):
Depth of Saturated Soil: (in.)	Oxidized Root Channels in Upper 12 Inches
	☐ Water-Stained Leaves
	☐ Local Soil Survey Data
	☐ FAC-Neutral Test
	Other (Explain in Remarks)
Remarks: No hydrology indicators.	<u>*************************************</u>
1	

#### **SOILS** Map Unit Name Well drained (Series and Phase): Vista coarse sandy loam Drainage Class: Field Observations Confirm Mapped Type? Yes □ No Taxonomy (Subgroup): Typic Xerochrepts Profile Description: Mottle Colors Mottle Matrix Color Depth Texture, Concretions, Structure, etc. (Munsell Moist) (Munsell Moist) (Abundance/Contrast) (inches) Horizon Sandy Loam 0-12 10YR 4/4 Hydric Soil Indicators: Concretions ☐ Histosol High Organic Content in surface layer in Sandy Soils Histic Epipedon Organic Streaking in Sandy Soils Sulfidic Odor Listed on Local Hydric Soils List ☐ Aquic Moisture Regime ☐ Listed on National Hydric Soils List ☐ Reducing Conditions ☐ Other (Explain in Remarks) ☐ Gleyed or Low-Chroma Colors Remarks: No hydric soil indicators.

#### WETLAND DETERMINATION

Hydrophytic Vegetation Present?	Yes		No			
Wetland Hydrology Present?	Yes		No	$\boxtimes$		
Hydric Soils Present?	Yes		No	$\boxtimes$	Is this Sampling Point Within a Wetland? Yes   No   No	
Remarks: This area of Southern Coast Live Oak Riparian Forest does not qualify as a wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat.						

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army	Date:	26 December 2001		
Applicant/Owner:	Salvation Army	County:	San Diego		
Investigator:	Vanessa A. Lee and Kara	State:	California		
Do normal circums	tances exist on the site?	☐ Yes	⊠ No	Community ID:	CLORF
Is the site significar	Yes	□ No	Transect ID:	T 15, Oft	
Is the area a potenti	☐ Yes	⊠ No	Plot ID:	DP 87A, PP 87A	
(If needed, expla	in on reverse.)				

### **VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator	
1. Quercus agrifolia	T	NI	9.		•	
2.			10.			
3.			11.			
4.			12.			
5.	,		13.			
6.			14.			
7.			15.			
8.			16.			
Percentage of Dominant Species that are OBL, FACW or FAC (excluding FAC-). 0%						
Remarks: No hydrophytic vegetation present. Data point is located immediately adjacent to the main access road. Conditions have possibly changed due to road disturbance.						

<ul> <li>☐ Recorded Data (Described in Remarks):</li> <li>☐ Stream, Lake, or Tide Gauge</li> <li>☐ Aerial Photographs</li> <li>☐ Other</li> <li>☐ No Recorded Data Available</li> </ul>	Wetland Hydrology Indicators:  Primary Indicators:  Inundated  Saturated in Upper 12 inches  Water Marks  Drift Lines
Field Observations:  Depth of Surface Water:  Depth to free Water in Pit  Depth of Saturated Soil:  (in.)	☐ Sediment Deposits ☐ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: No hydrology indicators.	

Map Unit Name									
(Series and Pha	se): Vista c	oarse san	dy loam.	Drainage		ained			
		_			servations	<b>-</b>			
Taxonomy (Sub	Taxonomy (Subgroup): Typic Xerochrepts Confirm Mapped Type? ☐ Yes ☐ No								
Des 61 - Deserte	Drofile Description								
Profile Descript	<u>:1011:</u>	Matrix Color	r Mottle	e Colors	Mottle				
Depth (inches)	Horizon (	Munsell Mois		ell Moist)	(Abundance/Contrast	t) Texture Concr	etions, Structure, etc.		
0-8		10YR 3/2					dy Loam		
		· · ·							
							·		
							/		
Hydric Soil Indicators:  Histosol Histic Epipedon Sulfidic Odor Organic Streaking in Sandy Soils Aquic Moisture Regime Reducing Conditions Gleyed or Low-Chroma Colors  Remarks: Could not dig deeper than 8 inches. Possibly compacted soils from construction of road.  WETLAND DETERMINATION									
Hydrophytic V	egetation Prese	nt? Yes	☐ No						
Wetland Hydro	logy Present?	Yes	□ No						
Hydric Soils Pi	resent?	Yes	□ No	Is this	s Sampling Point Within	n a Wetland? Yes	□ No ⊠		
due to roa and presen Oak Ripari	Remarks: Data point immediately adjacent to main access road. Conditions may have changed due to road disturbance. However, the access road has been in place for a long while, and present conditions are considered to be "normal." This area of Southern Coast Live Oak Riparian Forest does not qualify as a wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat.								

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army		Date:	26 December 2001	
Applicant/Owner:	Salvation Army	County:	San Diego		
Investigator:	· ·				California
Do normal circumst	tances exist on the site?	⊠ Yes	☐ No	Community ID:	CLORF
Is the site significan	☐ Yes	⊠ No	Transect ID:	T 15, 11ft	
Is the area a potenti	☐ Yes	⊠ No	Plot ID:	DP 88A, PP 88A	
(If needed, expla					

#### VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
. Quercus agrifolia	T	NI	9.		
•			10.		
•			11.		
•			12.		
•			13.		
•			14.		
•			15.		
•			16.		
ercentage of Dominant Species that	are OBL, FACW	or FAC (excl	uding FAC-). 0%		
emarks: No hydrophytic veg	etation pre	sent. Dat	ta point performed at 11	feet inste	ad of 10
eet due to the location (					
		<del>-</del>			

<ul> <li>☐ Recorded Data (Described in Remarks):</li> <li>☐ Stream, Lake, or Tide Gauge</li> <li>☐ Aerial Photographs</li> <li>☐ Other</li> <li>☐ No Recorded Data Available</li> </ul>	Wetland Hydrology Indicators:  Primary Indicators:  Inundated  Saturated in Upper 12 inches  Water Marks  Drift Lines
Field Observations:  Depth of Surface Water: (in.)  Depth to free Water in Pit (in.)  Depth of Saturated Soil: (in.)	☐ Sediment Deposits ☐ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: No hydrology indicators.	

#### **SOILS** Map Unit Name Drainage Class: Well drained (Series and Phase): Vista coarse sandy loam Field Observations Taxonomy (Subgroup): Typic Xerochrepts Confirm Mapped Type? ✓ Yes □ No Profile Description: Matrix Color Mottle Colors Mottle Depth (Abundance/Contrast) Texture, Concretions, Structure, etc. (Munsell Moist) (Munsell Moist) (inches) Horizon Sandy Loam 10YR 4/4 ---0-10 ---Hydric Soil Indicators: ☐ Histosol ☐ Concretions ☐ High Organic Content in surface layer in Sandy Soils Histic Epipedon Organic Streaking in Sandy Soils Sulfidic Odor Listed on Local Hydric Soils List Aquic Moisture Regime ☐ Listed on National Hydric Soils List ☐ Reducing Conditions Other (Explain in Remarks) ☐ Gleyed or Low-Chroma Colors

#### WETLAND DETERMINATION

Remarks: No hydric soil indicators.

WEILAND DEIERWINA						
Hydrophytic Vegetation Present?	Yes		No	$\boxtimes$		
Wetland Hydrology Present?	Yes		No	$\boxtimes$		
Hydric Soils Present?	Yes		No	$\boxtimes$	Is this Sampling Point Within a Wetland? Yes \(\sum \) No \(\sum \)	
Remarks: This area of Southern Coast Live Oak Riparian Forest does not qualify as a wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat.						

(1987 COE Wetlands Delineation Manual)

Project/Site: Applicant/Owner: Investigator:	Salvation Army Salvation Army Vanessa A. Lee and Kara	A. Altvate	er	Date: County: State:	26 December 2001 San Diego California
		⊠ Yes □ Yes □ Yes	□ No ⊠ No ⊠ No	Community ID: Transect ID: Plot ID:	CLORF T 15, 17ft DP 89A, PP 89A

#### **VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
. Quercus agrifolia	T	NI	9.		
. Rhamnus ilicifolia	S	NI	10.		
•			11.		
			12.		
			13.		
			14.		
•			15		
			16.		<u></u>
ercentage of Dominant Species that	are OBL, FACW	or FAC (excl	uding FAC-). 0%		
Remarks: No hydrophytic vege	etation pre	sent.			

□ Recorded Data (Described in Remarks):	Wetland Hydrology Indicators:
☐ Stream, Lake, or Tide Gauge	Primary Indicators:
Aerial Photographs	☐ Inundated
☐ Other	☐ Saturated in Upper 12 inches
☐ No Recorded Data Available	☐ Water Marks
	☐ Drift Lines
Field Observations:	☐ Sediment Deposits
Depth of Surface Water: (in.)	☐ Drainage Patterns in Wetlands
Depth to free Water in Pit (in.)	Secondary Indicators (2 or more required):
Depth of Saturated Soil: (in.)	☐ Oxidized Root Channels in Upper 12 Inches
	☐ Water-Stained Leaves
	☐ Local Soil Survey Data
·	☐ FAC-Neutral Test
	Other (Explain in Remarks)
Remarks: Hydrology indicated by 1-foot wide	drainage. Data point located at 17 feet in
order to sample drainage.	

Map Unit Name   (Series and Phase): Vista coarse sandy loam Drainage Class: Well drained   Field Observations   Taxonomy (Subgroup): Typic Xerochrepts Confirm Mapped Type? ☑ Yes ☐ No										
Profile Description:										
Depth		Matrix Col	or	Mottle Co	olors	Mottle				
(inches)	Horizon	(Munsell Mo	ist)	(Munsell N	Aoist)	(Abundance/Contr	rast) To	exture, Concre	tions, Struct	ure, etc.
0-3									Sand	
3-8		10YR 3/	2					Sand	ly Loam	
								<del> </del>		
		<u></u>								
						·····				~
								-		
Hydric Soil Indicators:  Histosol Histic Epipedon Sulfidic Odor Organic Streaking in Sandy Soils Aquic Moisture Regime Reducing Conditions Gleyed or Low-Chroma Colors  Remarks: No hydric soil indicators.  Concretions High Organic Content in surface layer in Sandy Soils Organic Streaking in Sandy Soils Listed on Local Hydric Soils List Listed on National Hydric Soils List Other (Explain in Remarks)										
WETLAND				N- M				· · · · · · · · · · · · · · · · · · ·		
Hydrophytic V	egetation Prese	ent? Yes	لــا	No 🛛						
Wetland Hydro	ology Present?	Yes		No 🗌						
Hydric Soils Pi	resent?	Yes		No 🖂	Is this	Sampling Point Wi	thin a Wet	land? Yes	☐ No	
Remarks: This area of Southern Coast Live Oak Riparian Forest does not qualify as an ACOE wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat. The drainage is considered to be Non-wetland Waters of the U.S. (ACOE) and is also jurisdictional under the County and CDFG.										

(1987 COE Wetlands Delineation Manual)

Project/Site: Applicant/Owner: Investigator:	Salvation Army Salvation Army Vanessa A. Lee and Kara	A. Altvat	er	Date: County: State:	26 December 2001 San Diego California
		⊠ Yes □ Yes □ Yes	□ No ⊠ No ⊠ No	Community ID: Transect ID: Plot ID:	CLORF T 15, 20ft DP 90A, PP 90A

### **VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator			
1. Quercus agrifolia	T	NI	9.					
2. Rhamnus ilicifolia	S	NI	10.					
3. Toxicodendrum diversilobum	S	NI	11.					
4.			12.					
5.			13					
6.			14.					
7.			15.					
8.			16.					
Percentage of Dominant Species that are	OBL, FACV	V or FAC (exclu	uding FAC-). 0%					
Remarks: No hydrophytic vegeta	ation pre	esent.						
l								

<ul> <li>☐ Recorded Data (Described in Remarks):</li> <li>☐ Stream, Lake, or Tide Gauge</li> <li>☐ Aerial Photographs</li> <li>☐ Other</li> <li>☐ No Recorded Data Available</li> </ul>	Wetland Hydrology Indicators:  Primary Indicators:  Inundated  Saturated in Upper 12 inches  Water Marks  Drift Lines
Field Observations:  Depth of Surface Water:  Depth to free Water in Pit  Depth of Saturated Soil:  (in.)  (in.)	☐ Sediment Deposits ☐ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: No hydrology indicators.	

#### SOILS Map Unit Name (Series and Phase): Vista coarse sandy loam Drainage Class: Well drained Field Observations Confirm Mapped Type? □ No Taxonomy (Subgroup): Typic Xerochrepts Profile Description: Mottle Colors Mottle Matrix Color Depth Texture, Concretions, Structure, etc. (Abundance/Contrast) (Munsell Moist) (Munsell Moist) (inches) Horizon Sandy Loam 10YR 4/4 0-10 Hydric Soil Indicators: ☐ Histosol ☐ Concretions High Organic Content in surface layer in Sandy Soils ☐ Histic Epipedon Organic Streaking in Sandy Soils ☐ Sulfidic Odor Listed on Local Hydric Soils List ☐ Aquic Moisture Regime Listed on National Hydric Soils List ☐ Reducing Conditions Other (Explain in Remarks) ☐ Gleyed or Low-Chroma Colors Remarks: No hydric soil indicators.

#### 

(1987 COE Wetlands Delineation Manual)

Project/Site: Applicant/Owner:	Salvation Army Salvation Army			Date:	26 December 2001 San Diego
Investigator:	Vanessa A. Lee and Kara	A. Altvat	er	State:	California
	ances exist on the site?	⊠ Yes	□No	Community ID:	CLORF
Is the site significan	tly disturbed (Atypical Situation)?	☐ Yes	⊠ No	Transect ID:	T 16, Oft
Is the area a potential	☐ Yes	🖾 No	Plot ID:	DP 91A, PP 91A	
(If needed, expla	in on reverse.)				

### **VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator		
1. Quercus agrifolia	T	NI	9.				
2.			10.				
3.			11.				
4.         5.         6.			12.				
5.			13.				
6.			14.				
7.			15.	,			
8.			16.				
Percentage of Dominant Species that are	OBL, FACV	V or FAC (excl	uding FAC-). 0%				
Remarks: No vegetation present. Coast Live Oak overhanging data point.							

□ Recorded Data (Described in Remarks):	Wetland Hydrology Indicators:
☐ Stream, Lake, or Tide Gauge	Primary Indicators:
Aerial Photographs	☐ Inundated
☐ Other	Saturated in Upper 12 inches
☐ No Recorded Data Available	☐ Water Marks
	☐ Drift Lines
Field Observations:	☐ Sediment Deposits
Depth of Surface Water: (in.)	☐ Drainage Patterns in Wetlands
Depth to free Water in Pit (in.)	Secondary Indicators (2 or more required):
Depth of Saturated Soil: (in.)	☐ Oxidized Root Channels in Upper 12 Inches
· /	☐ Water-Stained Leaves
	☐ Local Soil Survey Data
	☐ FAC-Neutral Test
	☐ Other (Explain in Remarks)
Remarks: No hydrology indicators.	
]	

	SOLES									
Map Unit Name	e	·								
(Series and Pha		a rocky coa	rse							
sandy loam				Drainag	e Class: Excessive	ly drained				
	Field Observations									
Tayon amy (Cyl	Taxonomy (Subgroup): Typic Xerorthents Confirm Mapped Type?   Yes   No									
Taxonomy (Suc	ogroup). 19p1	ic verorriie	iiics	Сошин	i Wapped Type:	103 1110				
Profile Description:										
Depth		Matrix Color	Mottl	e Colors	Mottle					
(inches)	Horizon	(Munsell Moist	) (Muns	ell Moist)	(Abundance/Contrast)	Texture, Concretions, Structure, etc.				
0-4		10YR 6/6	<del></del>	· <del></del>	T ===	Sandy Loam				
4-8		10YR 3/3				Sandy Loam				
4-8		101K 3/3				Sullay 120a				
***			l							
Hydric Soil Ind				Concretion						
☐ Histic	c Epipedon			High Org	ganic Content in surface lay	er in Sandy Soils				
	dic Odor		$\Box$		Streaking in Sandy Soils	•				
			一		Local Hydric Soils List					
	c Moisture Re		片			,				
☐ Redu	cing Condition	ns	□		n National Hydric Soils Lis	t				
☐ Gleve	ed or Low-Chr	roma Colors		Other (E	xplain in Remarks)					
	-			`	•					
1										
Remarks: No	hydric so	oil indicat	cors.							
l.										
<u> </u>										
WETLAND	DETERMI	NATION								
			<b>-</b>	<b>5 7</b> 1						
Hydrophytic V	egetation Prese	ent? Yes L	☐ No	$\boxtimes$						
	_									
Wetland Hydro	logy Present?	Yes	No	$\boxtimes$						
Wenand Hydro	nogy i resemi:	105 [		<u> </u>						
	•	ų. F	¬	₩	G P - D - Wal	777-4119 - 77 \[ \bar{\sqrt{7}}				
Hydric Soils Pr	resent?	Yes	No	🔲   Is thi	s Sampling Point Within a	Wetland? Yes $\square$ No $\boxtimes$				
Remarks Thi	s area of	Southern (	oast Liv	ve Oak F	Riparian Forest doe	es not qualify as a				
wetland.	Loveror +	-he area id	duriedi	ctions1	under CDFG as Adi	acent Riparian habitat.				
wetrand.	mowever, (	ric area 18	Juribul	LCLIOIIAI	. ander edite as Adj	acono impantan nantawa.				
ll .										
ll										
·					<del></del>					

(1987 COE Wetlands Delineation Manual)

Project/Site: Applicant/Owner: Investigator:	Salvation Army Salvation Army Vanessa A. Lee and Kara	Date: County: State:	26 December 2001 San Diego California		
		⊠ Yes ⊠ Yes □ Yes	□ No □ No ⊠ No	Community ID: Transect ID: Plot ID:	CLORF T 16, 10ft DP 92A, PP 92A

### **VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
. Quercus agrifolia	Т	NI	9.		
. Bromus diandrus	Н	NI	10.		
•			11.		
•			12.		
•			13.		
•			14.		
•			15.		
•			16.		
ercentage of Dominant Species that	<u> </u>		uding FAC-). 0%		
emarks: No hydrophytic vege	etation pre	sent.			

□ Recorded Data (Described in Remarks):	Wetland Hydrology Indicators:
☐ Stream, Lake, or Tide Gauge	Primary Indicators:
Aerial Photographs	☐ Inundated
☐ Other	☐ Saturated in Upper 12 inches
☐ No Recorded Data Available	☐ Water Marks
•	☐ Drift Lines
Field Observations:	☐ Sediment Deposits
Depth of Surface Water: (in.)	☐ Drainage Patterns in Wetlands
Depth to free Water in Pit (in.)	Secondary Indicators (2 or more required):
Depth of Saturated Soil: (in.)	Oxidized Root Channels in Upper 12 Inches
	☐ Water-Stained Leaves
	☐ Local Soil Survey Data
	☐ FAC-Neutral Test
	Other (Explain in Remarks)
	le drainage (measured at approximate ordinary
high water mark). Streambed width is 2 fe	et (measured from bank to bank).

SOILS										
Map Unit Name										
(Series and Phase): Ci	eneba rocky c	oarse								
	sandy loam Drainage Class: Excessively drained									
Barray 10am					ervations					
T (C (C)										
Taxonomy (Subgroup):	Taxonomy (Subgroup): Typic Xerorthents Confirm Mapped Type?									
· ·										
Profile Description:										
Depth	Matrix Col	or	Mottle Co	olors	Mottle					
(inches) Horiz	on (Munsell Mo	ist) (	(Munsell M	(Ioist)	(Abundance/Cor	ntrast)	Texture, Co		Structure, etc.	
0								Cobble	e	
<b></b>										
<b></b>										
Hydric Soil Indicators:										
☐ Histosol				oncretio						
☐ Histic Epiped	lon		☐ Hi	igh Orga	mic Content in su	rface laye	r in Sandy S	Soils		
☐ Sulfidic Odo			□ O ₁	rganic S	treaking in Sandy	Soils				
☐ Aquic Moist					Local Hydric Soil					
					National Hydric S					
☐ Reducing Co										
☐ ☐ Gleyed or Lo	ow-Chroma Colors		⊔ O ₁	ther (Ex	plain in Remarks)	)				
Remarks: Width of	cobble is 1.	5 fee	t withi	n dra	inage. It i	s possi	ible that	t sedime	ent	
denogita hetween	n cobble sati	sfv h	vdric c	onditi	ons; however	r, this	cannot	be dete	ermined.	
In this case, so	oils are cons	idere	d to be	a nat	ural atypica	al situ	uation, a	and the	presence	
of hydric soils	is assumed.									
or mydrie berry										
WETLAND DETE	DMINATION									
Hydrophytic Vegetatio	n Present? Yes		No 🛛	1						
,,	_		_							
Watland Undralam Pr	esent? Yes	$\square$	No $\square$							
Wetland Hydrology Pr	CSCHI! 1 CS		140							
	_ = =	<u> </u>	,, _		a t n' m	T7:41-1 Y7	Wa41am 30		No M	
Hydric Soils Present?	Yes	$\boxtimes$	No 🗌	Is this	Sampling Point V	within a V	vetiana?	r es	No 🔯	
Remarks: This are	a of Southern	Coas	t Live	Oak R	iparian Fore	st does	s not qua	alify as	s an ACOE	
wetland. Howev	er the area	is in	risdict	ional	under CDFG	as Adia	acent Rir	oarian h	nabitat.	
The drainage is	congidered +	o he	Non-wet	land t	Waters of the	e U.S.	(ACOE) a	and is a	also	
jurisdictional	under the Cou	ntv a	nd CDEG			· · ·				
Jurisdictional	mider cire con	льсу а	iid CDFG	•						
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ll										

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army	-		Date:	26 December 2001
Applicant/Owner:	Salvation Army	County:	San Diego		
Investigator:	Vanessa A. Lee and Kara	State:	California		
Do normal circumstances exist on the site?				Community ID:	CLORF
Is the site significan	tly disturbed (Atypical Situation)?	☐ Yes	☑ No	Transect ID:	T 16, 20ft
Is the area a potential		Plot ID:	DP 93A, PP 93A		
(If needed, expla					

#### **VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator				
1. Quercus agrifolia	T	NI	9.						
2. Toxicodendron diversilobum	H	NI	10.						
3.	•		11.						
4.			12.						
5.			13.						
6.			14.						
7.			15.						
8.			16.						
Percentage of Dominant Species that are	OBL, FACV	V or FAC (exclu	ading FAC-). 0%						
Remarks: No hydrophytic vegeta	tion pre	sent.							
•									

<ul> <li>☐ Recorded Data (Described in Remarks):</li> <li>☐ Stream, Lake, or Tide Gauge</li> <li>☐ Aerial Photographs</li> <li>☐ Other</li> <li>☐ No Recorded Data Available</li> </ul>	Wetland Hydrology Indicators: Primary Indicators: Inundated Saturated in Upper 12 inches Water Marks
Field Observations:  Depth of Surface Water:  Depth to free Water in Pit  Depth of Saturated Soil:  (in.)	☐ Drift Lines ☐ Sediment Deposits ☐ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: No hydrology indicators.	

#### **SOILS** Map Unit Name (Series and Phase): Cieneba rocky coarse Drainage Class: Excessively drained sandy loam Field Observations Confirm Mapped Type? □ No Taxonomy (Subgroup): Typic Xerorthents ☑ Yes Profile Description: Mottle Colors Mottle Matrix Color Depth (Abundance/Contrast) Texture, Concretions, Structure, etc. (inches) Horizon (Munsell Moist) (Munsell Moist) Rocks 0 ---_ _ _ Hydric Soil Indicators: ☐ Histosol ☐ Concretions ☐ High Organic Content in surface layer in Sandy Soils ☐ Histic Epipedon ☐ Sulfidic Odor ☐ Organic Streaking in Sandy Soils ☐ Listed on Local Hydric Soils List ☐ Aquic Moisture Regime ☐ Listed on National Hydric Soils List ☐ Reducing Conditions Other (Explain in Remarks) ☐ Gleyed or Low-Chroma Colors Remarks: Could not dig due to presence of large rocks. This data point is located upslope from the drainage, and the rocks are not considered an RPO non-soil that would qualify the area as a County RPO wetland. WETLAND DETERMINATION

#### X Hydrophytic Vegetation Present? No $\boxtimes$ Wetland Hydrology Present? Yes No $\boxtimes$ □ No $\boxtimes$ Is this Sampling Point Within a Wetland? ☐ No Hydric Soils Present? Yes Remarks: This area of Southern Coast Live Oak Riparian Forest does not qualify as a wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat.

(1987 COE Wetlands Delineation Manual)

Project/Site:	Salvation Army	Date:	26 December 2001		
Applicant/Owner:	Salvation Army	County:	San Diego		
Investigator:					California
J					
Do normal circums	tances exist on the site?	⊠ Yes	☐ No	Community ID:	CLORF
	ntly disturbed (Atypical Situation)?	☐ Yes	⊠ No	Transect ID:	T 17, 0ft
Is the area a potenti	☐ Yes	⊠ No	Plot ID:	DP 94A, PP 94A	
(If needed, expla					

#### **VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Quercus agrifolia	T	NI	9.		
2.			10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percentage of Dominant Species that	are OBL, FACV	V or FAC (exclu	uding FAC-). 0%		
Remarks: No vegetation pres	ent at data	point. C	oast Live Oak tree overh	anging dat	a point.

<ul> <li>□ Recorded Data (Described in Remarks):</li> <li>□ Stream, Lake, or Tide Gauge</li> <li>□ Aerial Photographs</li> <li>□ Other</li> <li>□ No Recorded Data Available</li> </ul>	Wetland Hydrology Indicators:  Primary Indicators:  Inundated  Saturated in Upper 12 inches  Water Marks  Drift Lines
Field Observations:  Depth of Surface Water:  Depth to free Water in Pit  Depth of Saturated Soil:  (in.)  (in.)	☐ Sediment Deposits ☐ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: No hydrology indicators.	

Map Unit Name										
(Series and Phasandy loam		ba rocky co	arse	Drainag	e Class: Excessive	ely drained				
Bana, 19am	Field Observations									
Taxonomy (Sul	ogroup): Typ	pic Xerorth	ents	Confirm	Mapped Type?	Yes □ No				
Drofile Decemb	tion.									
Profile Descrip Depth	<u>11011.</u>	Matrix Colo	r Mottl	e Colors	Mottle					
(inches)	Horizon	(Munsell Moi		ell Moist)	(Abundance/Contrast)	Texture, Concretions, Structure, etc.				
0-14		10YR 4/4				Sandy Loam				
Hydric Soil Indicators:  Histosol High Organic Content in surface layer in Sandy Soils Sulfidic Odor Organic Streaking in Sandy Soils Aquic Moisture Regime Listed on Local Hydric Soils List Reducing Conditions Gleyed or Low-Chroma Colors  Remarks: No hydric soil indicators.										
WETLAND	DETERM	IINATION	······	···						
Hydrophytic V	egetation Pro	esent? Yes	☐ No							
Wetland Hydro	ology Present	t? Yes	□ No							
Hydric Soils P	resent?	Yes	□ No	Is this	s Sampling Point Within a	Wetland? Yes   No   No				
Oak Ripari	Remarks: Data point located at edge of main access road. This area of Southern Coast Live Oak Riparian Forest does not qualify as a wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat.									
					<del></del>					

(1987 COE Wetlands Delineation Manual)

Project/Site: Applicant/Owner:	Salvation Army Salvation Army	Date: County:	26 December 2001 San Diego California		
Investigator:	Vanessa A. Lee and Kara A. Altvater				State:
Do normal circums	tances exist on the site?		□ No	Community ID:	CLORF
Is the site significar	Yes	□ No	Transect ID:	T 17, 10ft	
Is the area a potential Problem Area?				Plot ID:	DP 95A, PP 95A
(If needed, expla	nin on reverse.)				

### **VEGETATION**

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Quercus agrifolia	T	NI	9.		
2. Juncus dubius	Н	FACW	10.		
3.			11.		
4.			12.		<u></u>
5.			13.		
6.			14.		
7.			15.		
8.			16.		<u> </u>
Percentage of Dominant Species that	are OBL, FACW	or FAC (excl	uding FAC-). 50%		
Remarks: Hydrophytic vegeta	tion criter	ia not sat	isfied.		
_ <del>_</del> _					

III DROLOGI				
<ul> <li>☐ Recorded Data (Described in Remarks):</li> <li>☐ Stream, Lake, or Tide Gauge</li> <li>☐ Aerial Photographs</li> <li>☐ Other</li> <li>☐ No Recorded Data Available</li> </ul>	Wetland Hydrology Indicators:  Primary Indicators:  Inundated  Saturated in Upper 12 inches  Water Marks  Drift Lines			
Field Observations:  Depth of Surface Water:  Depth to free Water in Pit  Depth of Saturated Soil:  (in.)  (in.)	☐ Sediment Deposits ☐ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)			
Remarks: Hydrology indicated by 2-foot wide drainage (measured at approximate ordinary high water mark). Streambed width is 3 feet (measured from bank to bank).				

#### SOILS Map Unit Name (Series and Phase): Cieneba rocky coarse Drainage Class: Excessively drained sandy loam Field Observations Confirm Mapped Type? ⊠ Yes □ No Taxonomy (Subgroup): Typic Xerorthents Profile Description: Mottle Mottle Colors Matrix Color Depth Texture, Concretions, Structure, etc. (Munsell Moist) (Abundance/Contrast) (Munsell Moist) (inches) Horizon Cobble 0 Hydric Soil Indicators: ☐ Concretions ☐ Histosol ☐ Histic Epipedon High Organic Content in surface layer in Sandy Soils Organic Streaking in Sandy Soils ☐ Sulfidic Odor ☐ Listed on Local Hydric Soils List ☐ Aquic Moisture Regime ☐ Listed on National Hydric Soils List ☐ Reducing Conditions ☐ Other (Explain in Remarks) ☐ Gleyed or Low-Chroma Colors Cobble width is 2 feet within drainage. Remarks: Could not dig due to cobble. possible that sediment deposits between cobble satisfy hydric conditions; however, this cannot be determined. In this case, soils are considered to be a natural atypical

#### WETLAND DETERMINATION $\boxtimes$ Hydrophytic Vegetation Present? No Wetland Hydrology Present? Yes No Is this Sampling Point Within a Wetland? Yes □ No Yes 冈 No Hydric Soils Present? Remarks: This area of Southern Coast Live Oak Riparian Forest does not qualify as an ACOE wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat. The drainage is considered to be Non-wetland Waters of the U.S. (ACOE) and is also jurisdictional under the County and CDFG.

situation, and the presence of hydric soils is assumed.

(1987 COE Wetlands Delineation Manual)

Project/Site: Salvation Army				Date:	26 December 2001	
Applicant/Owner: Salvation Army			County:	San Diego		
Investigator:			State:	California		
Do normal circumstances exist on the site?		⊠ Yes	□ No	Community ID:	CLORF	
Is the site significan	tly disturbed (Atypical Situation)?	☐ Yes	No	Transect ID:	T 17, 15ft	
Is the area a potenti		☐ Yes	☑ No	Plot ID:	DP 96A, PP 96A	
(If needed, expla						

#### **VEGETATION**

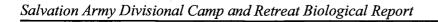
Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. Quercus agrifolia	T	NI	9.		
2. Toxicodendrum diversilobum	H	NI	10.		
3.			11.		
4.			12.		
5.			13.		
6.			14.		
7.			15.		
8.			16.		
Percentage of Dominant Species that are	OBL, FACV	or FAC (excl	<u> </u>		

Remarks: No hydrophytic vegetation present. Data point taken at 15-foot mark rather than the 20-foot mark due to high abundance of Poison Oak beyond 15-foot mark.

<ul> <li>□ Recorded Data (Described in Remarks):</li> <li>□ Stream, Lake, or Tide Gauge</li> <li>□ Aerial Photographs</li> <li>□ Other</li> <li>□ No Recorded Data Available</li> </ul>	Wetland Hydrology Indicators:  Primary Indicators:  Inundated  Saturated in Upper 12 inches  Water Marks  Drift Lines
Field Observations:  Depth of Surface Water:  Depth to free Water in Pit  Depth of Saturated Soil:  (in.)	☐ Sediment Deposits ☐ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ☐ Oxidized Root Channels in Upper 12 Inches ☐ Water-Stained Leaves ☐ Local Soil Survey Data ☐ FAC-Neutral Test ☐ Other (Explain in Remarks)
Remarks: No hydrology indicators.	

#### SOILS Map Unit Name (Series and Phase): Cieneba rocky coarse Drainage Class: Excessively drained sandy loam Field Observations Confirm Mapped Type? ☐ No Taxonomy (Subgroup): Typic Xerorthents Profile Description: Matrix Color Mottle Colors Mottle Depth (Munsell Moist) Texture, Concretions, Structure, etc. (Abundance/Contrast) (inches) Horizon (Munsell Moist) Sandy Loam 10YR 3/2 ---0-12 ---Hydric Soil Indicators: ☐ Concretions ☐ Histosol High Organic Content in surface layer in Sandy Soils ☐ Histic Epipedon ☐ Organic Streaking in Sandy Soils ☐ Sulfidic Odor ☐ Listed on Local Hydric Soils List ☐ Aquic Moisture Regime ☐ Listed on National Hydric Soils List ☐ Reducing Conditions ☐ Gleyed or Low-Chroma Colors ☐ Other (Explain in Remarks) Remarks: No hydric soil indicators.

#### WETLAND DETERMINATION X Hydrophytic Vegetation Present? No $\boxtimes$ Wetland Hydrology Present? Yes No $\boxtimes$ Is this Sampling Point Within a Wetland? □ No Yes Hydric Soils Present? Yes No $\boxtimes$ Remarks: This area of Southern Coast Live Oak Riparian Forest does not qualify as a wetland. However, the area is jurisdictional under CDFG as Adjacent Riparian habitat.



# Appendix 13 Intensified Wetland Delineation Photos



Photo Point 1A. Data Point 1A



Photo Point 2A. Data Point 2A, Transect 1

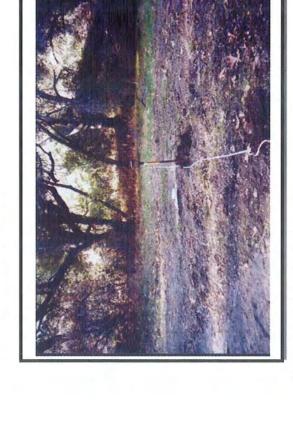


Photo Point 4A. Data Point 4A, Transect 1

Photo Point 3A. Data Point 3A, Transect 1

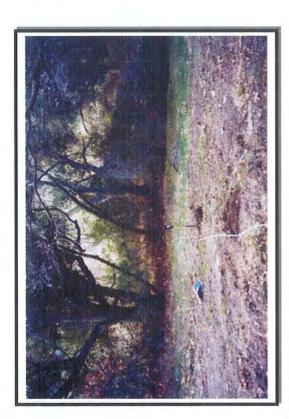


Photo Point 5A. Data Point 5A, Transect 1

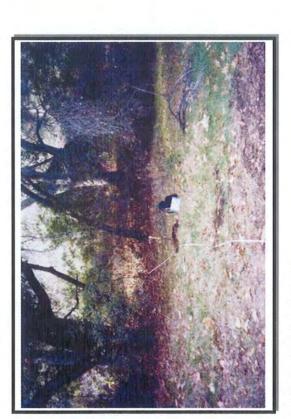


Photo Point 7A. Data Point 7A, Transect 1



Photo Point 6A. Data Point 6A, Transect 1

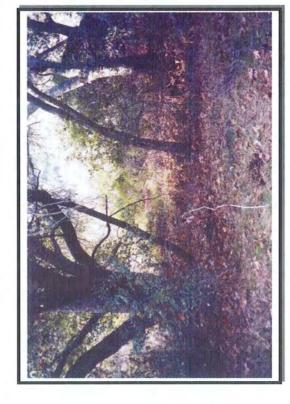


Photo Point 8A. Data Point 8A, Transect 1



Photo Point 9A. Data Point 9A, Transect 1



Photo Point 11A. Data Point 11A, Transect 1

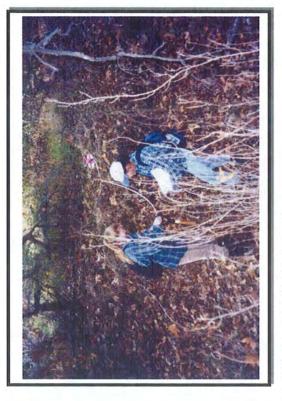


Photo Point 10A. Data Point 10A, Transect 1



Photo Point 12A. Data Point 12A, Transect 1

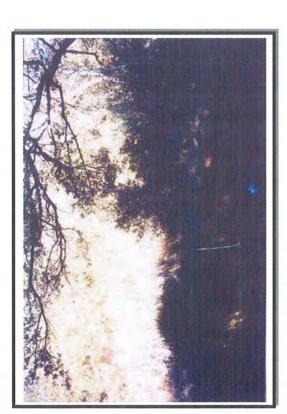


Photo Point 13A. Data Point 13A, Transect 2

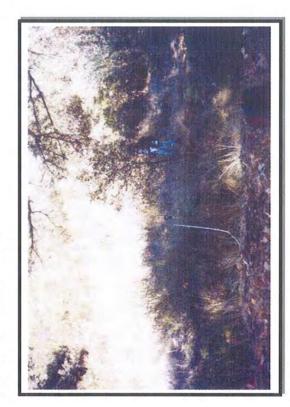


Photo Point 15A. Data Point 15A, Transect 2

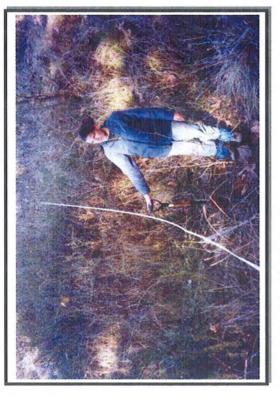


Photo Point 14A. Data Point 14A, Transect 2



Photo Point 16A. Data Point 16A, Transect 3



Photo Point 17A. Data Point 17A, Transect 3



Photo Point 19A. Data Point 19A, Transect 4



Photo Point 18A. Data Point 18A, Transect 3



Photo Point 20A. Data Point 20A, Transect 4



Photo Point 21A. Data Point 21A, Transect 4



Photo Point 23A. Data Point 23A, Transect 5



Photo Point 22A. Data Point 22A, Transect 5



Photo Point 24A. Data Point 24A, Transect 5



Photo Point 25A. Data Point 25A, Transect 6



Photo Point 27A. Data Point 27A, Transect 6



Photo Point 26A. Data Point 26A, Transect 6



Photo Point 28A. Data Point 28A, Transect 6



Photo Point 29A. Data Point 29A, Transect 6



Photo Point 31A. Data Point 31A, Transect 6



Photo Point 30A. Data Point 30A, Transect 6



Photo Point 32A. Data Point 32A, Transect 6



Photo Point 33A. Data Point 33A



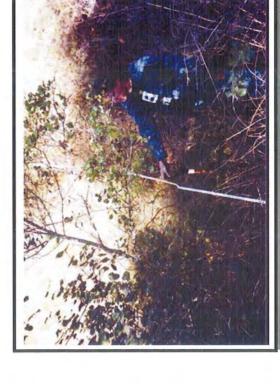


Photo Point 36A. Data Point 36A, Transect 7

Photo Point 35A. Data Point 35A, Transect 7

Merkel & Associates, Inc.



Photo Point 37A. Data Point 37A, Transect 7



Photo Point 39A. Data Point 39A, Transect 8



Photo Point 38A. Data Point 38A, Transect 8



Photo Point 40A. Data Point 40A, Transect 8



Photo Point 41A. Data Point 41A, Transect 8



Photo Point 43A. Data Point 43A, Transect 9

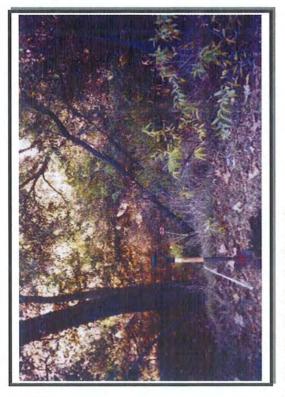


Photo Point 42A. Data Point 42A, Transect 9

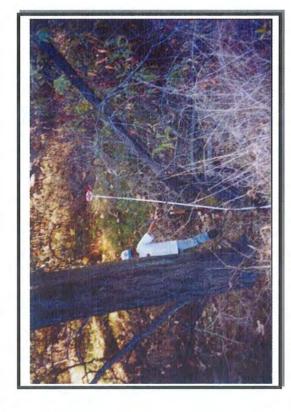


Photo Point 44A. Data Point 44A, Transect 9



Photo Point 45A. Data Point 45A, Transect 9



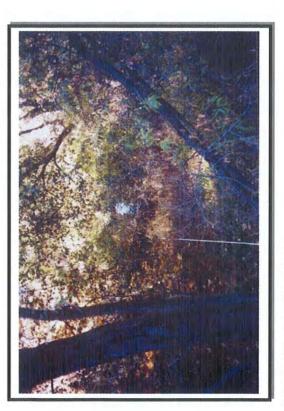


Photo Point 47A. Data Point 47A, Transect 9



Photo Point 48A. Data Point 48A, Transect 10



Photo Point 49A. Data Point 49A, Transect 10



Photo Point 51A. Data Point 51A, Transect 10



Photo Point 50A. Data Point 50A, Transect 10



Photo Point 52A. Data Point 52A, Transect 10



Photo Point 53A. Data Point 53A, Transect 10





Photo Point 56A. Data Point 56A, Transect 11

Photo Point 55A. Data Point 55A, Transect 10

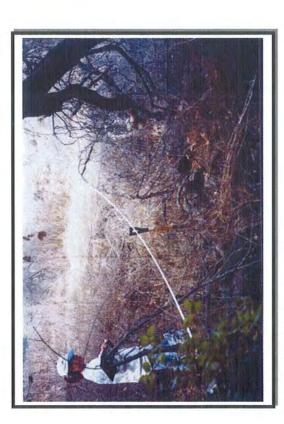


Photo Point 57A. Data Point 57A, Transect 11



Photo Point 59A. Data Point 59A, Transect 11

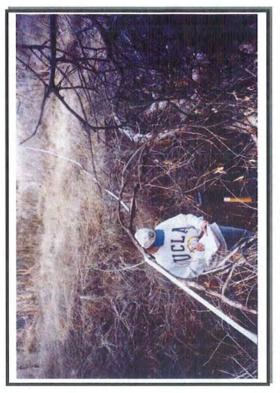


Photo Point 58A. Data Point 58A, Transect 11



Photo Point 60A. Data Point 60A, Transect 11



Photo Point 61A. Data Point 61A, Transcct 11

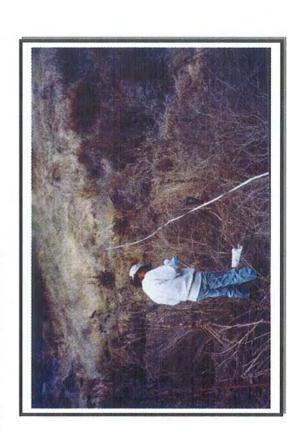


Photo Point 63A. Data Point 63A, Transect 11



Photo Point 62A. Data Point 62A, Transect 11



Photo Point 64A. Data Point 64A, Transect 11 (film was partially exposed)



Not Available

Photo Point 65A. Data Point 65A, Transect 11 (film was partially exposed)

Photo Point 66A. Data Point 66A, Transect 11 (film was exposed)



Not Available

Not Available

Photo Point 67A. Data Point 67A (film was exposed)

Photo Point 68A. Data Point 68A (film was exposed)



Photo Point 69A. Data Point 69A, Transect 12



Photo Point 71A. Data Point 71A, Transect 12 (film was partially exposed)

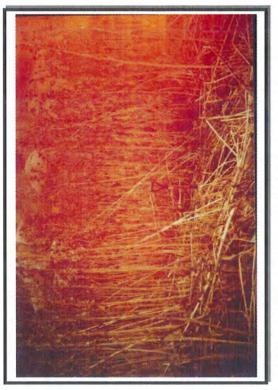


Photo Point 70A. Data Point 70A, Transcet 12 (film was partially exposed)



Photo Point 72A. Data Point 72A, Transect 12



Photo Point 73A. Data Point 73A, Transect 12



Photo Point 75A. Data Point 75A, Transect 13



Photo Point 74A. Data Point 74A, Transect 13



Photo Point 76A. Data Point 76A, Transect 13



Photo Point 77A. Data Point 77A, Transect 13



Photo Point 79A. Data Point 79A, Transect 13



Photo Point 78A. Data Point 78A, Transect 13



Photo Point 80A. Data Point 80A, Transect 13



Photo Point 81A. Data Point 81A



Photo Point 83A. Data Point 83A

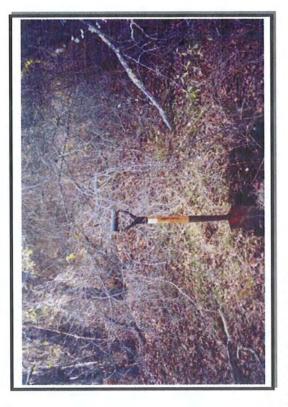


Photo Point 82A. Data Point 82A

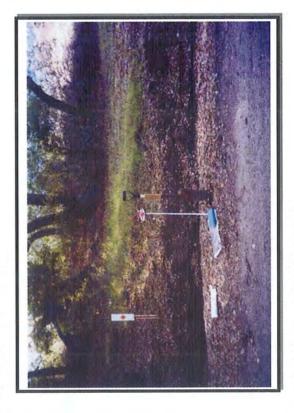


Photo Point 84A. Data Point 84A, Transect 14

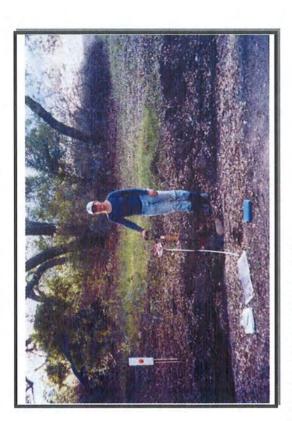


Photo Point 85A. Data Point 85A, Transect 14



Photo Point 87A. Data Point 87A, Transect 15



Photo Point 86A. Data Point 86A, Transect 14

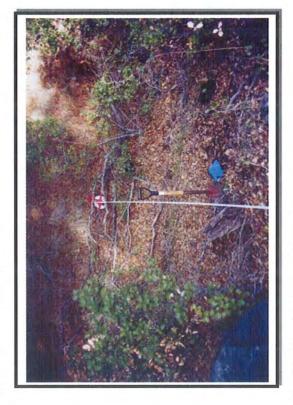


Photo Point 88A. Data Point 88A, Transect 15

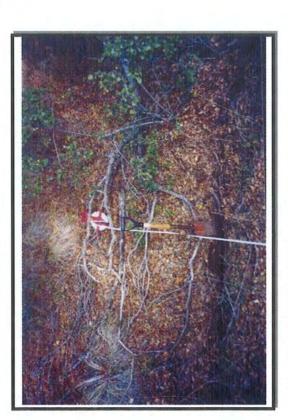


Photo Point 89A. Data Point 89A, Transect 15

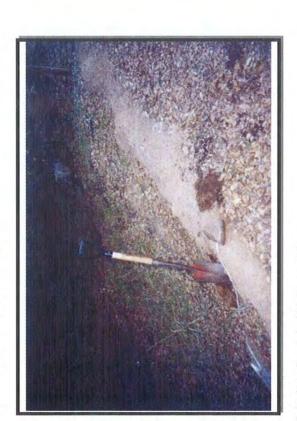


Photo Point 91A. Data Point 91A, Transect 16



Photo Point 90A. Data Point 90A, Transect 15

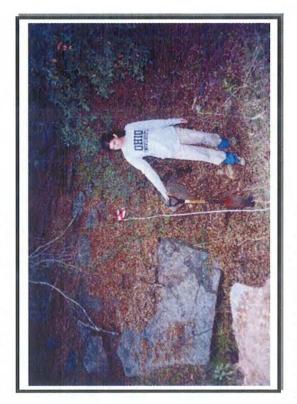


Photo Point 92A. Data Point 92A, Transect 16

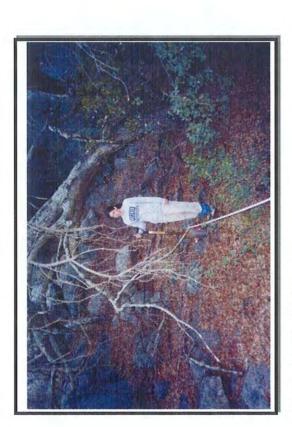


Photo Point 93A. Data Point 93A, Transect 16



Photo Point 95A. Data Point 95A, Transect 17

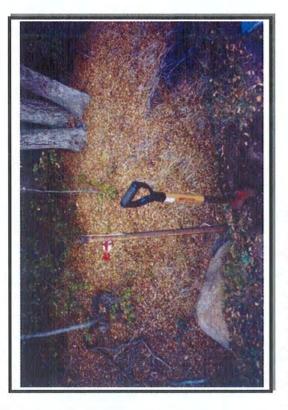


Photo Point 94A. Data Point 94A, Transect 17



Photo Point 96A. Data Point 96A, Transect 17



Photo Point 97A. View of upland vegetation near Data Point 81A.



Photo Point 98A. View of upland vegetation near Data Point 81A.